Amended Report - Amendment 2



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 8 LABORATORY

16194 W 45th Drive GOLDEN, CO 80403-1790 Phone 303-312-7700

Ref: 8TMS-L

MEMORANDUM

SUBJECT: Analytical Results---

Pavillion#1 2010 / 1001-004

FROM:

Jesse Kiernan, Organic Chemist Am A

Sherrie Kinard, Biologist/Chemist -

Vicente Marti, Organic and Inorganic Chemist Vicente

William H. Batschelet, PhD, Laboratory Quality Assurance Officer

THRU:

Mark Burkhardt, PhD, Director

Laboratory Services Program-

TO:

Gregory Oberley, 8EPR-EP

Clean Water Act

Attached are the analytical results for Pavillion#1 2010 1001-004. The table below shows the number of containers received, the work order number(s) assigned, and the date received:

| | 1001002 | 1001003 | 1001005 | Total |
|-------------|---------|---------|---------|-------|
| 22-Jan-2010 | 60 | 0: | O | 60 |
| 25-Jan-2010 | 0 | 165 | 9 | 174 |

These samples were prepared, analyzed, and verified by the Region 8 Laboratory according to the requirements of the Laboratory Services Request (LSR) and procedures found in the laboratory Quality Assurance Manual (QSP-001) dated November 3, 2010.

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

AMENDED REPORT - Amendment 2

This amendment covers the GC/MS 8270 semivolatile organic compound analysis of water samples for W.O. 1001002 and 1001003. The report is amended to correct the results for Sample 1001003-24 so that the results based on the undiluted sample are correctly reported. This affects the results for both the sample and the associated matrix spike sample 1000059-MS3. In addition, bis(1,2-ethylhexyl)phthalate was corrected to bis(2-ethylhexyl)phthalate in the narrative for 1000059-BLK2 and 1000059-BLK3.

BLK4 had the compound bis(2-ethylhexyl)phthalate above the reporting limit. This compound is qualified as estimated (J flagged) for all field samples.

This report integrates all analytical results into a single report. It and the associated EDD are revised.

William H. Batschelet, PhD Laboratory Quality Assurance Officer

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AMENDED REPORT - Amendment 1

This report is amended to include the nitrate-N (NO3-N) and nitrite-N (NO2-N) results. These are reported, along with the anion results previously reported, in hard copy only. No associated EDD was produced for this amendment.

William H. Batschelet, PhD Laboratory Quality Assurance Officer

INTRODUCTION:

This narrative contains discussions of three Work Orders pertaining to this LSR: 1001002, 1001003 and 1001005. Sample receipt information for each of these Work Orders is as follows:

WORK ORDER: 1001002

SAMPLE RECEIPT INFORMATION:

Project: Pavillion # 1 2010 Date Received: 22/Jan/2010

Total Samples: 22 waters (See Note 1 below)

Temperature: 5 ° C

WORK ORDER: 1001003

SAMPLE RECEIPT INFORMATION:

Project: Pavillion # 1 2010 Date Received: 25/Jan/2010

Total Samples: 36 waters, 9 soils, 1 holding blank water for VOA's

Temperature: 5 ° C

WORK ORDER: 1001005

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 2 of 291 Print Date : 09-Jun-2011

Amended Report - Amendment 2

EPAPAV0128301

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

SAMPLE RECEIPT INFORMATION:

Project: Pavillion # 1 2010 Date Received: 25/Jan/2010

Total Samples: 4 waters, 1 RO Filter

Temperature: 3 ° C

Note 1 - Sample PGDW47 (1001002-17) labels say it was sampled on 1/18/2010 but the COC says it was sampled on 01/19/2010.

Not all samples were analyzed for the same suite of analytes. All analyses were performed in accordance with the COC's.

Due to the complexity of the composite narratives required for the complex suite of analyses requested and multiple work orders in this project, the following table of contents for the narratives is presented to aid the reviewer.

TPH/DRO/GRO NARRATIVES

TPH/DRO Water Samples (W.O.'s 1001002 [22 samples] & 1001003 [13 samples])

TPH/DRO Soil Samples (W.O.'s 1001003 [9 samples] & 1001005 [1 sample])

TPH/GRO Water Samples (W.O. 1001003 [34 samples])

TPH/GRO Soil Samples (W.O.'s 1001003 [9 samples] & 1001005 [1 sample])

GC/FID (HEADSPACE) ANALYSIS NARRATIVE

GC/FID Water Samples (W.O.1001003 [34 samples])

WET CHEMISTRY NARRATIVE

WET CHEMISTRY Water Samples (Includes W.O.'s 1001002 [16 samples], 1001003 [18 samples], 1001005 [1 sample])

GC / MS ANALYSIS NARRATIVES

GC/MS 8270 SEMIVOLATILES Water Samples (W.O. 1001002 [22 samples] & 1001003 [13 samples])

GC/MS 8270 SEMIVOLATILES Water Samples (W.O. 1001005 [3 samples]) GC/MS 8270 SEMIVOLATILES Solid Sample (W.O. 1001005 [1 sample]) GC/MS 8260 VOLATILES Water Samples (W.O. 1001003 [37 samples])

GC/MS 8260 VOLATILES Water Samples (W.O. 1001005 [4 samples])

INDIVIDUAL NARRATIVES FOLLOW:

1001002,1001003,1001005 FINAL 06 09 11 1029

TPH/DRO/GRO NARRATIVES

TPH/DRO Water Samples (W.O.'s 1001002 [22 samples] & 1001003 [13 samples])

Analyst:

Jesse Kiernan

Extraction Methods:

EPA method 3520C, "Continuous Liquid-Liquid Extraction," revision 3, December 1996.

EPA Region 8 laboratory Standard Operating Procedure 508, "Determination of Diesel Range Organics Using 8015B

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Page 3 of 291

Amended Report - Amendment 2

EPAPAV0128302

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

Modified," revision 3.0, April 18, 2005.

Analytical Methods:

Modified EPA method 8015D, "Nonhalogenated Organics Using GC/FID," revision 4, May 2003.

EPA Region 8 laboratory SOP 508, "Determination of Diesel Range Organics Using 8015B Modified," revision 3.0, April 18, 2005.

Analyst Notes:

The extraction holding time could not be met for samples PGDW48 (1001003-21) and PGFB01 (1001003-23) and the results for these two samples have been qualified as estimated, "J."

Sample PGSW02D (1001002-22), two of the preparation blanks, one of the SRMs, and the blank spike, all prepared on January 25, 2010, had phthalate contamination from the extraction process. The blank spike and SRM had high recoveries due to the contamination. The TPH/DRO result for sample PGSW02D has been qualified as estimated, "J."

Due to hydrocarbon interference, the surrogate recovery was above the QC limit in samples PGMW01 (1001003-24), PGMW01D (1001003-25), PGMW03 (1001003-27), and the matrix spike performed on sample PGMW01. In addition, the surrogate was diluted out in sample PGMW02 (1001003-26). No qualifications were assigned to the data due to the high surrogate recoveries.

The TPH/DRO percent recovery in the matrix spike performed on sample PGMW01 (1001003-24) was above the QC limit. The high recovery could be due to variability between the original sample and the QC sample aliquots. The TPH/DRO result for sample PGMW01 has been qualified as estimated, "J."

Some of the chromatograms required manual integrations due to poor integration by the quantitation software. The quality of the data was improved by a more realistic quantitation.

TPH/DRO Soil Samples (W.O.'s 1001003 [9 samples] & 1001005 [1 sample])

Analyst:

Jesse Kiernan

Extraction Methods:

EPA method 3545, "Pressurized Fluid Extraction (PFE)," revision 0, December 1996.

EPA Region 8 laboratory Standard Operating Procedure 508, "Determination of Diesel Range Organics Using 8015B Modified," revision 3.0, April 18, 2005.

Analytical Methods:

Modified EPA method 8015D, "Nonhalogenated Organics Using GC/FID," revision 4, May 2003.

EPA Region 8 laboratory SOP 508, "Determination of Diesel Range Organics Using 8015B Modified," revision 3.0, April 18, 2005.

Analyst notes:

High surrogate recovery was found in sample PGFM20 (1001005-01) due to compound interference. No qualification of the sample was required.

Some of the chromatograms required manual integrations due to poor integration by the quantitation software. The

1001002,1001003,1001005 FINAL 06 09 11 1029 Page 4 of 291 Print Date : 09-Jun-2011

Amended Report - Amendment 2

EPAPAV0128303

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

quality of the data was improved by a more realistic quantitation.

TPH/GRO Water Samples (W.O.'s 1001003 [34 samples])

Analyst:

Jesse Kiernan

Extraction Methods:

EPA method 5030B, "Purge and Trap for Aqueous Samples," revision 2, December 1996.

Analytical Methods:

Modified EPA method 8015D, "Nonhalogenated Organics Using GC/FID," revision 4, May 2003.

EPA Region 8 laboratory SOP 506, "Determination of BTEX, MTBE, Naphthalene, and TPH/GRO Using 8021B and 8015D Modified," revision 3.0, April 1, 2005.

Analyst Notes:

The surrogate recovery was above the QC limit for sample PGMW02 (1001003-26) due to hydrocarbon interference. No qualifications were assigned to the data.

The matrix spike/matrix spike duplicate performed on sample PGMW01 (1001003-24) had low recoveries for gasoline. The low recoveries were due to a matrix effect. These compounds have been qualified as estimated, "J," in sample PGMW01.

TPH/GRO Soil Samples (W.O. 1001003 [9 samples] & 1001005 [1 sample])

Analyst:

Jesse Kiernan

Extraction Methods:

EPA method 5035, "Closed System Purge and Trap and Extraction for Volatile Organics in Soil and Waste Samples," revision 0, December 1996.

EPA Region 8 laboratory SOP 506, "Determination of BTEX, MTBE, Naphthalene, and TPH/GRO Using 8021B and 8015D Modified," revision 3.0, April 1, 2005.

Analytical Methods:

Modified EPA method 8015D, "Nonhalogenated Organics Using GC/FID," revision 4, May 2003.

EPA Region 8 laboratory SOP 506, "Determination of BTEX, MTBE, Naphthalene, and TPH/GRO Using 8021B and 8015D Modified," revision 3.0, April 1, 2005.

Analyst Notes:

High surrogate recoveries were found in samples PGSO01 (1001003-36), PGSO02 (1001003-37), and PGSO03 (1001003-38). The high recoveries were due to hydrocarbon interference and no qualification of the data was required.

Sample PGFM20 (1001005-01) had a low recovery for the surrogate. The TPH/GRO result for this sample has been qualified as estimated, "J."

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 5 of 291

Amended Report - Amendment 2

EPAPAV0128304

| Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004 | Certificate of Analysis |
|--|-------------------------|
| Case Comments | |
| GC/FID (HEADSPACE) ANALYSIS NARRATIVE | |
| GC/FID Water Samples (W.O.1001003 [34 samples]) | |
| Analysts: Vince Marti and David D. Nguyen | |
| Holding Time Summary: All samples that were collected on January 18, 2010 were analyzed past the 7-day holding time. The results for samples are qualified as estimated. All other samples were analyzed within holding times. | or those |
| Analytical Method: This analysis was performed by using gas chromatography with flame ionization detector (FID) detection and of an automated headspace sampler (EST HS 9000) following EPA Region 8 Laboratory SOP ORGM-004 "Determination of Dissolved Methane, Ethane and Propane in Water by Headspace GC/FID Analysis". Sample contained in 20-mL vials. Fifteen mL were removed using helium to create the head space. The system was ca from 5.0 ug/L to 714 ug/L for methane, 10 ug/L to 1340 ug/L for ethane and 10 ug/L to 1964 ug/L for propane | es were librated |
| Analyst Notes: The compound butane in sample 1001003-26 (PGMW02) reported in this case narrative is for information only compound was identified and quantitated based on a one point calibration using the result that was available w ICV mix. The estimated concentration of butane in this sample is 339 ug/L. | |
| OBO9001-CCV8 has a recovery slightly below control limits for propane (69.4% vs 70% limit). None of the sa associated with this CCV had propane reported as a target analyte; only dilutions for other analytes were analytis part of the analysis run. Therefore, application of qualifier flags was not done. | • |
| WET CHEMISTRY NARRATIVE | |
| WET CHEMISTRY Water Samples (Includes W.O.'s 1001002 [16 samples], 1001003 [18 samples], 1001005 sample]) | [1 |
| Analyst: Sherrie Kinard | |
| Introduction: Water samples were submitted to the EPA Region 8 laboratory for fluoride (F), chloride (CI), sulfate (SO4) an alkalinity analyses. | d |

Analytical Methods:

EPA Region 8 SOP 310, "Automated Determination of Fluoride, Chloride, Nitrite-N, Nitrate-N, Orthophosphate-P, and Sulfate Using the Dionex Ion Chromatograph," and EPA method 300.0 (SO4) (J.D. Pfaff, "Determination of Inorganic Anions by Ion Chromatography," rev. 2.1, EPA EMSL, August 1993) were used for fluoride (F), chloride (CI), nitrate-N (NO3-N), nitrite-N, (NO2-N), and sulfate (SO4) analyses.

EPA Region 8 SOP 302, "Determination of Total Alkalinity Using the 719 Mettler S Titrino," and EPA method 310.1 (titrimetric, pH 4.5) in Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March 1983 were used for alkalinity analysis.

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 6 of 291 Print Date : 09-Jun-2011

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

Quality Control Notes:

Routine sample quality control results such as matrix spikes and laboratory duplicates are reported on the quality control pages of this report. Any results not within QC criteria are discussed in the analyst notes section. Instrument quality control results, such as continuing calibration verification (CCV), continuing calibration blanks (CCB), initial calibration verification (ICV), initial calibration blank (ICB), and instrument blanks (IBL), were within QC criteria unless stated in the analyst notes section.

Analyst Notes:

Anions: Sample number 1001005-05 was run at several concentrations. There was a larger peak that interfered with the fluoride peak in this sample. The 10X dilution was used for the reported values since it was the least diluted sample. No other difficulties or unusual circumstances were encountered during these analyses.

GC/MS ANALYSIS NARRATIVES

GC/MS 8270 SEMIVOLATILES Water Samples (W.O. 1001002 [22 samples] & 1001003 [13 samples])

Analyst(s):

Vince Marti and David D. Nguyen.

Sample Preservation:

Ice only.

Holding Time Summary:

Holding time was missed by one day for samples that were collected as early as 18/Jan/2010. For this reason, the following samples are qualified with a "J" flag to indicate results are estimated: 1001002-03, 1001002-04, 1001002-05, 1001002-06, 1001002-07, 1001002-08, 1001002-10, 1001002-12, 1001002-13, 1001002-14, 1001002-15, 1001002-17, 1001002-20, and 1001003-23(PGFB01).

Extraction and Analysis:

Samples for semi-volatile analysis were prepared and extracted according to SW-846 method 3520, "Continuous Liquid-Liquid Extraction" for water samples. One liter of sample was extracted with methylene chloride and concentrated to one milliliters of extract. Samples were analyzed by modified method 8270 to include the following compounds: 2-butoxyethanol, limonene, adamantane, 1,3-dimethyladamantane, terpiniol, 2-butoxyethanol phosphate and squalene. The method was calibrated from 0.1 ug/mL to 2.0 ug/mL.

The GC/MS instrument had been calibrated for two different analyte suites: A large 8270 list of analytes and a smaller list of analytes requested by the EPA Pavillions project manager. Both calibration methods used the same GC/MS acquisition file(s) to quantify the sample for the two analyte lists.

Quality Control Notes:

Routine sample quality control results such as matrix spikes and laboratory duplicates are reported on the quality control pages of this report. Any results not within QC criteria are discussed in the analyst notes section. Instrument quality control results, such as continuing calibration verification (CCV), continuing calibration blanks (CCB), initial calibration verification (ICV), initial calibration blank (ICB), and instrument blanks (IBL), were within QC criteria unless stated in the analyst notes section. Analytes that exceed the upper control limits for QC samples but are not detected will not be "J" flagged. All sample detections for these analytes will be "J" flagged as estimated values.

There were only three samples in these two work orders that had extra containers with which to generate sample matrix spikes (one MS each). These samples were 1001002-03, 1001002-21 & 1001003-24. These MS QC samples

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 7 of 291

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

were spiked only with the full list of 8207 compounds, and were NOT spiked with the Pavillions-specific compounds.

8270 ANALYSIS OF FULL ANALYTE LIST

Calibration Summary:

An initial calibration data summary is included in this data package. All analytes reported for this analysis met acceptance criteria for the ICAL.

The compounds 2,4,6-tribromobenzene (used as a surrogate standard), and 2,4-dinitrophenol were spiked below their reporting limit, and will not be used/reported for this method.

The following compounds did not produce a linear calibration curve at the low level used and will not be reported: 4,6-dinitro-2-methylphenol, 4-nitrophenol, and 2-nitroaniline.

OC08003-ICV1 had recoveries below the lower control limits for the following compounds: 4-chloroaniline, butyl benzyl phthalate, di-n-octyl phthalate, and benzo(a)pyrene. These compounds are "J" flagged as estimated values for all samples. The compound hexachlorocylopentadiene had a recovery above control limits. Since this compound was not detected in the samples, no qualification is required.

OC08003-CCV1 had recoveries below the lower control limits for the following compounds: pentachlorophenol, butyl benzyl phthalate, bis(2-ethylhexyl)phthalate, and di-n-octyl phthalate. These compounds are "J" flagged as estimated values for the samples associated with this CCV.

0C0803-CCV2 had a recovery above the upper control limit for pentachlorophenol. No qualification is required because this analyte was not detected in the samples associated with this CCV.

0C0803-CCV3 had recoveries above the upper control limits for hexachlorocyclopentadiene, and pentachlorophenol. No qualification is required because these analytes were not detected in the samples associated with this CCV.

0C0803-CCV5 had a recovery above the upper control limit for pentachlorophenol. No qualification is required because this analyte was not detected in the samples associated with this CCV.

0C08003-CCV7 had an analyte recovery below its lower control limit indicating a possible low bias. The following analyte is labeled as a "J" flagged estimated value in all samples. Bis(2-ethylhexyl)phthalate.

0C08003-CCV8 had an analyte recovery below its lower control limit indicating a possible low bias. The following analyte is labeled as a "J" flagged estimated value in all samples. Bis(2-ethylhexyl)phthalate.

0C08003-CCV9 had an analyte recovery below its lower control limit indicating a possible low bias. The following analyte is labeled as a "J" flagged estimated value in all samples. Bis(2-ethylhexyl)phthalate.

QC Sample Summary:

1000059-BS1 had a recovery above control limits for hexachlorocyclopentadiene. No qualification is required because this analyte was not detected in the sample.

1000059-BS2 had a recovery above control limits for hexachlorocyclopentadiene, pentachlorophenol and bis(2-ethylhexyl)phthalate. The compounds hexachlorocyclopentadiene and pentachlorophenol were not detected in the field samples and therefore were not "J" flagged as estimated values. The compound bis(2-ethylhexyl)phthalate are "J" flagged as estimated value for all samples.

1000059-BLK1 had low recoveries for the surrogates 2-fluorophenol, nitrobenzene-d5 and 2-fluorophenyl. Because

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 8 of 291

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

this QC sample is evaluated using other criteria, this situation does not require application of qualifier flags. The following phthalates exceeded their reporting limit: dibutyl phthalate, bis(2-ethylhexyl)phthalate and di-n-octylphthalate. These compounds are "J" flagged as estimated values for all samples.

1000059-BLK2 had the compound bis(2-ethylhexyl)phthalate above the reporting limit. This compound are flagged "J" as estimated value for all field samples.

1000059-BLK3 had low recoveries for the surrogates phenol-d6, nitrobenzene-d5 and 2-fluorobiphenyl. Because this QC sample is evaluated using other criteria, this situation does not require application of qualifier flags. The compound bis(2-ethylhexyl)phthalate was above the reporting limit. This compound are flagged "J" as estimated value for all field samples.

1000059-BLK4 had low recoveries for the surrogates phenol-d6, and nitrobenzene-d5. Because this QC sample is evaluated using other criteria, this situation did not require application of qualifier flags.

1000059-MS1 had high recoveries for the compounds hexachlorocyclopentadiene, 2,6-dinitrotoluene, pentachlorophenol and bis(2-ethylhexyl)phthalate. All detected results for these compounds in the native sample (1001002-03) were "J" flagged as estimated values.

1000059-MS2 had high recoveries for the compounds: 4-chloro-3-methylphenol, hexachlorocyclopentadiene, 2,6-dinitrotoluene, pentachlorophenol and bis(2-ethylhexyl)phthalate. All detected results for these compounds in the native sample (1001002-21) were "J" flagged as estimated values.

1000059-MS3 was highly contaminated with hydrocarbons and other non-target analytes. This severely impacted quantitation of the matrix spike. Most recoveries were outside acceptance criteria for MS3. The native sample (1001003-24) was subsequently diluted by a factor of 10, in an attempt to reduce the impact of the interferences on quantitation. Comparison of the undiluted detections with the diluted detections shows good agreement between these two analyses. The generally high recovery results of the matrix spike should not cause the application of qualifier flags to the diluted sample results. For this reason, the results of the diluted sample will be reported with no qualifier flags. Sample reporting limits are adjusted to account for the factor of 10 dilution.

Sample 1001003-25 the following compounds exceeded the upper calibration range: phenol, naphthalene, and bis(2-ethylhexyl)phthalate. These compounds are "J" flagged as estimated values. Due to sample degradation after the initial injection, no re-analysis dilution was determined.

Sample 1001003-27 naphthalene exceeded the upper calibration range. This compound is "J" flagged as estimated value. Due to sample degradation after the initial injection, no re-analysis of dilution was determined.

Internal Standard/Surrogate Summary:

The surrogates of sample 1001003-26 were diluted below detection levels. Therefore, no surrogate recoveries were reported for this sample.

Manual Integration Summary:

Manual integrations were performed.

8270 ANALYSIS OF PAVILLIONS-SPECIFIC COMPOUNDS

Quality Control Notes:

Routine sample quality control results such as matrix spikes and laboratory duplicates are reported on the quality control pages of this report. Any results not within QC criteria are discussed in the analyst notes section. Instrument quality control results, such as continuing calibration verification (CCV), continuing calibration blanks (CCB), initial

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 9 of 291

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

calibration verification (ICV), initial calibration blank (ICB), and instrument blanks (IBL), were within QC criteria unless stated in the analyst notes section. Analytes that exceed the upper control limits for QC samples but are not detected will not be "J" flagged. All sample detections for these analytes will be "J" flagged as estimated values.

Calibration Summary:

An initial calibration data summary is included in this data package. All analytes met acceptance criteria for the ICAL.

0C04002-CCV2, -CCV3, -CCV4, -CCV5, and -CCV6 had high recovery for 2-butoxyethanol phosphate. This compound will be "J" flagged as an estimated value for the samples associated with these CCVs.

OC04002-CCV7 had low recovery for 2-butoxyethanol phosphate. This compound will be "J" flagged as an estimated value for the samples associated with this CCV.

The compound squalene did not produce a linear calibration curve at the low level used and will not be reported. The surrogate 2,4,6-tribromophenol was spiked at below it's reporting limit and will not be used.

QC Sample Summary:

Due to limited extraction slots in the rack, no blank spikes for Pavillions-specific compounds were generated.

Internal Standard/Surrogate Summary:

1000051-BLK1 had low recovery for the surrogate 2-fluorobiphenyl. Because this QC sample is evaluated using other criteria, this situation does not require application of qualifier flags.

1000051-BLK4 had low recovery for the surrogate nitrobenzene-d5. Because this QC sample is evaluated using other criteria, this situation does not require application of qualifier flags.

The following samples had high recovery for the surrogate nitrobenzene-d5: 1001002-09 (PGDW25), 1001002-11 (PGDW32), 1001002-16 (PGDW46), 1001002-21 (PGSW02), 1001002-22 (PGSW02DUP), because this surrogate is associated with the compounds adamantane, 1,3-dimethyl adamantane and terpiniol, these compounds, when detected, will be "J" flagged as estimated values for these samples.

Sample 1001003-24 (PGMW01) had low recovery of surrogate 2-fluorobiphenyl, because this surrogate is associated with the compounds adamantane, 1,3-dimethyl adamantane and terpiniol, these compounds, will be "J" flagged as estimated values for this sample.

Manual Integration Summary:

Manual integrations were performed.

The non-target peaks reported as TICs were identified using the NIST05 spectral library and the instrument manufacturer's (Agilent Technologies) search algorithm. To be identified as a TIC, a peak had to have an area at least 10% as large as the area of the nearest internal standard and a match quality greater than 90 %. (The TIC match quality is based in the number and ratio of the major fragmentation ions. A perfect match has a value of 100 %.) Although the TIC report is essentially a qualitative report, an estimated concentration is calculated based on a response factor of 1.00 and the area of the nearest internal standard. The search for TIC includes the whole chromatogram from 3.0 to 30.0 minutes.\par NOTE: TICs are compounds that can be detected, but, without the analysis of standards, cannot be confirmed or reliably quantified. Often times TICs are representative of a class of compounds rather than indicating a specific compound.

The following TICs were determined for this sample (Sample concentrations are approximate):

1001002-01 (PGDW03)

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 10 of 291

| | | 1 | |
|---------------------------|------------------|---|-------------------------|
| Project: Pavillion#1 2010 | LSR No: 1001-004 | | Certificate of Analysis |

| Case Comments |
|---|
| 13-docosenamide 0.46 µg/L |
| 1001002-02 (PGDW04) 13-docosenamide 0.37 μg/L |
| 1001002-03 (PGDW05) 2-methyladamantane 0.67 µg/L |
| 1001002-04 (PGDW05D) 2-methyladamantane 0.67 μg/L |
| 1001002-06 (PGDW20) 2-methyladamantane 0.49 µg/L |
| 1001002-08 (PGDW23) 2,4-bis(1-phenylethyl) phenol 0.11 μg/L 13-docosenamide 0.48 μg/L |
| 1001002-10 (PGDW30) 1,1,3,5-trimethyl adamantane 0.2 ug/L 13-docosenamide 0.40 µg/L |
| 1001002-11 (PGDW32) 1-ethyl-4-methyl benzene0.17 ug/L 13-docosenamide0.6 µg/L |
| 1001002-12 (PGDW39) 13-docosenamide 0.31 μg/L |
| 1001002-13 (PGDW42) 13-docosenamide 0.67 μg/L |
| 1001002-14 (PGDW44) 1-methyl naphthalene |
| 1001002-15 (PGDW45) 13-docosenamide 0.35 μg/L |
| 1001002-17 (PGDW47) Bisphenol A0.32 ug/L |
| 1001002-18 (PGPW01) 2,4-bis(1-phenylethyl)-phenol0.2 ug/L |
| 1001002-19 (PGPW02) 9-docosenamide 0.42 μg/L |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 11 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

1001002-20 (PGSW01)

Unresolved broad peak between 24min and 36min retention times.

1001002-21 (PGSW02)

Unresolved broad peak between 24min and 36min retention times.

1001002-22 (PGSW02D)

Unresolved broad peak between 24min and 36min retention times.

1001003-13 (PGDW40)

Sulfur0.29 ug/L Bisphenol A4.80 ug/L

1001003-21 (PGDW48)

Sulfur0.29 ug/L 13-docosenamide0.33 µg/L

1001003-22 (PGDW49)

1001003-23 (PGFB01)

2,4-bis(1,1-dimethylethyl) phenol3.05 ug/L
Benzophenone0.19 ug/L
Bisphenol A0.1ug/L
4-nitro-2-diphenylphosphino phenol ...0.99 ug/L

1001003-24 (PGMW01)

Substituted benzene hydrocarbons.

1001003-25 (PGMW01D)

Substituted benzene hydrocarbons.

1001003-26 (PGMW02)

Sample is highly contaminated with hydrocarbons.

1001003-27 (PGMW03)

Sample is highly contaminated with hydrocarbons. Many substituted benzene and naphthalene compounds.

1001003-43 (PGSW04)

13-docosenamide...... 0.24 µg/L

1001003-44 (PGSW05)

GC/MS 8270 SEMIVOLATILES Water Samples (W.O. 1001005 [3 samples])

Analyst(s):

Vince Marti and David D. Nguyen.

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 12 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

Holding Time Summary:

Samples were prepared after the 7 day (sampled to prepared) holding time. All results are "J" flagged as estimated values.

Extraction and Analysis:

The GC/MS instrument was calibrated for two different analyte suites: An 8270 full list of analytes (CLP compounds), and a smaller list of analytes requested by the EPA Pavillion project manager (Pavillion compounds). Both calibration methods used the same GC/MS acquisition file to quantify the samples for the two lists.

Tentatively Identified Compounds (TICs) were evaluated for these samples, and where appropriate are reported at the end of this case narrative.

Quality Control Notes:

Routine sample quality control results such as matrix spikes and laboratory duplicates are reported on the quality control pages of this report. Any results not within QC criteria are discussed in the analyst notes section. Instrument quality control results, such as continuing calibration verification (CCV), continuing calibration blanks (CCB), initial calibration verification verification (ICV), initial calibration blank (ICB), and instrument blanks (IBL), were within QC criteria unless stated in the analyst notes section. Analytes that exceed the upper control limits for QC samples but are not detected will not be "J" flagged. This indicates a possible high bias and if analytes were present in the sample they would have been detected. All sample detections for these analytes will be "J" flagged as estimated values.

8270 ANALYSIS OF FULL ANALYTE LIST

Calibration Summary:

No difficulties or unusual circumstances were encountered during this analysis.

QC Sample Summary:

1000031-BLK1 had a low recovery for the internal standard perylene-d12. Sample results were not "J" flagged since this internal standard result was not an indication of a system related issue.

OB19002-CCV1 had analyte recoveries below their lower control limits indicating a possible low bias. The following analytes are labeled as "J" flagged estimated values in all samples: 2,4,5-trichlorophenol, 4,6 dinitro-2-methylphenol, pentachlorophenol, butyl benzyl phthalate, bis(2-ethylhexyl)phthalate, and di-n-octyl phthalate.

OB19002-CCV2 had analyte recoveries below their lower control limits indicating a possible low bias. The following analytes are labeled as "J" flagged estimated values in all samples: 2,4,5-trichlorophenol, 2,4-dinitrotoluene, 4,6 dinitro-2-methylphenol, pentachlorophenol, di-n-butyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl)phthalate, di-n-octyl phthalate, benzo(b) and benzo(k)fluoranthene, benzo(a)pyrene and indeno(1,2,3-cd)pyrene.

OB19002-ICV1 had analyte recoveries below their lower control limits indicating a possible low bias. The following analytes are labeled as "J" flagged estimated values in all samples: 3 and 4-methyl phenol, 4-chloroaniline, 2,4,5-trichlorophenol, diethyl phthalate, 4,6 dinitro-2-methylphenol, hexachlorobenzene, pentachlorophenol, di-n-butyl phthalate, fluranthrene, butyl benzyl phthalate, bis(2-ethylhexyl)phthalate, di-n-octyl phthalate, benzo(b) and benzo(k)fluoranthene, and benzo(a)pyrene.

1000031-BS1 was above the acceptance limit for hexachlorocyclopentadiene, and below the acceptance limit for pentachlorophenol. Hexachlorocyclopentadiene was not "J" flagged since it was not detected in any of the samples. Pentachlorophenol was "J" flagged as an estimated value in all samples.

Sample 1001005-03 (PGPP04P) had a low recovery the surrogate 2-Flurophenol. Sample results were "J" flagged as

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 13 of 291 Print Date : 09-Jun-2011

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

estimated values.

Due to the large dilutions used for these samples, no matrix spikes were reported.

Internal Standard/Surrogate Summary:

Perylene-d12 was below the acceptance limit in 1000041-BLK1. Sample results were not "J" flagged since this internal standard result was not an indication of a system related issue.

Manual Integration Summary:

Manual integrations were performed.

8270 ANALYSIS OF PAVILLIONS-SPECIFIC COMPOUNDS

Calibration Summary:

No difficulties or unusual circumstances were encountered during this analysis.

QC Sample Summary:

Due to the lack of available extractors no blank spike was reported. A previous blank spike had low recoveries for 2-butoxyethanol phosphate and squalene and based on this the compounds 2-butoxyethanol phosphate and squalene were "J" flagged as estimated values in all samples.

OB26002-CCV2 had analyte recoveries below their lower control limits indicating a possible low bias. The following analytes are labeled as a "J" flagged estimated values in all samples: 2-butoxyethanol phosphate and squalene.

1000041-BLK1 was below the acceptance limit for the internal standard perylene-d12. Sample results were not "J" flagged since this internal standard result was not an indication of a system related issue.

Due to the large dilutions used for these samples, no matrix spikes were reported.

Internal Standard/Surrogate Summary:

Perylene-d12 was below the acceptance limit in 1000041-BLK1. Sample results were not "J" flagged since this internal standard result was not an indication of a system related issue.

Manual Integration Summary:

Manual integrations were performed.

The non-target peaks reported as TICs were identified using the NIST05 spectral library and the instrument manufacturer's (Agilent Technologies) search algorithm. To be identified as a TIC, a peak had to have an area at least 10% as large as the area of the nearest internal standard and a match quality greater than 90 %. (The TIC match quality is based in the number and ratio of the major fragmentation ions. A perfect match has a value of 100 %.) Although the TIC report is essentially a qualitative report, an estimated concentration is calculated based on a response factor of 1.00 and the area of the nearest internal standard. The search for TIC includes the whole chromatogram from 3.0 to 30.0 minutes.\par NOTE: TICs are compounds that can be detected, but, without the analysis of standards, cannot be confirmed or reliably quantified. Often times TICs are representative of a class of compounds rather than indicating a specific compound.

The following TICs were determined for this sample (Sample concentrations are approximate):

1001005-03 (PGPP04P)

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 14 of 291

Amended Report - Amendment 2

EPAPAV0128313

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

| para/meta-xylenes | 159 | mI/L |
|----------------------------------|------------|------|
| 1,3,5-trimethyl benzene | | |
| 1,2,3,4-tetramethyl benzene | | |
| Decahydronaphthalene | .66 mg/L | |
| 1001005-04 (PGPP05) | | |
| 1-ethyl-4-methylcyclohexane | 80 mg/L | |
| Decahydronaphthalene | 80 mg/L | |
| 2,6-dimethyl naphthalene | .99 mg/L | |
| 2,3-dimethyl naphthalene | 125 mg/L | |
| 1001005-05 (PGPP06) | | |
| 2-cyclopenten-1-one | 23.7 mg/L | |
| para/meta-xylenes | 5.6 | mg/L |
| 2-methyl-2-cyclopenten-1-one | .20.7 mg/L | |
| 3-methyl2-cyclopenten-1-one | 26.2 mg/L | |
| 4,4-dimethyl-2-cyclopenten-1-one | .7.72 mg/L | |
| 2,3-dimethyl2-cyclopenten-1-one | 18.0 mg/L | |
| Triethylene glycol | .17.8 mg/L | |

GC/MS 8270 SEMIVOLATILES RO Filter Sample (W.O. 1001005 [1 sample])

Analyst(s):

Vince Marti and David D. Nguyen

Holding Time Summary:

Sample was collected on 19/Jan, and extracted on 5/Feb. This is well past the 14 day EPA holding time requirement for solid samples. For this reason, all sample results for both the large & small analyte lists are qualified with a "J" flag to indicate results are estimated.

Extraction and Analysis:

A portion of the filter weighing 5.0 grams (wet weight) was extracted with a volume of methylene chloride by sonication for 1 hour. Enough methylene chloride was used to fully immerse the filter subsample to ensure complete extraction. The extract was concentrated to a final volume of 10.0 mL. A 1.0 ml aliquot of concentrate was analyzed using a modified EPA Method 8270 with a GC/MS instrument.

The GC/MS instrument had been calibrated for two different analyte suites: A large 8270 list of analytes, and a smaller list of analytes requested by the EPA Pavillions project manager. Both calibration methods used the same GC/MS acquisition file(s) to quantify the sample for the two analyte lists.

One sample matrix spike was generated and analyzed at the same time as the native sample. This QC sample was only analyzed for the small list of Pavillions-specific analytes.

Tentatively Identified Compounds (TICs) were evaluated for this sample, and where appropriate are reported at the end of this case narrative.

Quality Control Notes:

Routine sample quality control results such as matrix spikes and laboratory duplicates are reported on the quality control pages of this report. Any results not within QC criteria are discussed in the analyst notes section. Instrument quality control results, such as continuing calibration verification (CCV), continuing calibration blanks (CCB), initial

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 15 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

calibration verification (ICV), initial calibration blank (ICB), and instrument blanks (IBL), were within QC criteria unless stated in the analyst notes section. Analytes that exceed the upper control limits for QC samples but are not detected will not be "J" flagged. All sample detections for these analytes will be "J" flagged as estimated values.

8270 ANALYSIS OF FULL ANALYTE LIST

Analyst Notes:

Calibration Summary:

An initial calibration data summary is included in this data package. All analytes reported for this analysis met acceptance criteria for the ICAL.

The compounds 2,4,6-tribromobenzene (used as a surrogate standard), and 2,4-dinitrophenol were spiked below their reporting limit, and will not be used/reported for this method.

The following compounds did not produce a linear calibration curve at the low level used and will not be reported: 4,6-dinitro-2-methylphenol, 4-nitrophenol, and 2-nitroaniline.

The independent calibration verification (0B19001-ICV1) had recoveries below criteria for the following compounds: 3 and 4-methyl phenol, 4-chloroaniline, pentachlorophenol, di-n-butyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl)phthalate, di-n-octyl phthalate, and benzo(a)pyrene. These compounds are "J" flagged as estimated values for this sample. The compound hexachlorocyclopentadiene had a recovery above control limits. Since this compound was not detected in the sample, no qualification is required.

The first continuous calibration verification (0B19001-CCV1) had recoveries below control limits for the following compounds: di-n-butyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl)phthalate, di-n-octyl phthalate, and 2,4,5-trichlorophenol. These compounds are "J" flagged as estimated values for the sample.

The second continuous calibration verification (0B19001-CCV2) had recoveries below criteria for the following compounds: pentachlorophenol and 2,4,5-trichlorophenol. These compounds are "J" flagged as estimated values for the sample.

QC Sample Summary:

The blank spike (1000030-BS1) had a recovery above control limits for hexachlorocyclopentadiene. No qualification is required because this analyte was not detected in the sample.

Internal Standard/Surrogate Summary:

No difficulties or unusual circumstances were encountered during these analyses.

Manual Integration Summary:

Manual integrations were performed.

8270 ANALYSIS OF PAVILLIONS-SPECIFIC ANALYTES

Analyst Notes:

Calibration Summary:

An initial calibration data summary is included in this data package. All analytes met acceptance criteria for the ICAL. The ICV analyzed in this run did not contain Pavillions-specific target analytes - only the full list of 8270 analytes.

The first continuous calibration verification (0B17001-CCV1) had a recovery below control limits for the following

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 16 of 291

Amended Report - Amendment 2

EPAPAV0128315

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

compound: 2-butoxyethanol. This compound will be "J" flagged as an estimated value for this sample.

The following compound did not produce a linear calibration curve at the low level used and will not be reported: Squalene.

QC Sample Summary:

The preparation blank (1000029-BLK1) had high recovery for the internal standards chrysene-d12 and perylene-d12. These two internal standards do not affect any of the reported compounds for this sample. No qualification is required.

The blank spike (1000029-BS1) had a recovery below acceptance criteria for the compound 2-butoxyethanol phosphate. This compound is "J" flagged as estimated values for the one sample in this work order.

The matrix spike (1000029-MS1) did not have any recovery for the compound 2-butoxyethanol phosphate. Because this analyte is qualified as a result of poor blank spike recoveries, no additional flags are applied

Internal Standard/Surrogate Summary:

The second calibration verification (0B17001-CCV2) had high recovery for the internal standard perylene-d12. No results were affected since this internal standard was not used for this analysis.

The matrix spike had high responses for the internal standards phenanthrene-d10, chrysene-d12 and perylene-d12. Because this QC sample is evaluated using other criteria, this situation does not require application of gualifier flags.

Manual Integration Summary:

Manual integrations were performed.

The non-target peaks reported as TICs were identified using the NIST05 spectral library and the instrument manufacturer's (Agilent Technologies) search algorithm. To be identified as a TIC, a peak had to have an area at least 10% as large as the area of the nearest internal standard and a match quality greater than 90 %. (The TIC match quality is based in the number and ratio of the major fragmentation ions. A perfect match has a value of 100 %.) Although the TIC report is essentially a qualitative report, an estimated concentration is calculated based on a response factor of 1.00 and the area of the nearest internal standard. The search for TIC includes the whole chromatogram from 3.0 to 30.0 minutes. NOTE: TICs are compounds that can be detected, but, without the analysis of standards, cannot be confirmed or reliably quantified. Often times TICs are representative of a class of compounds rather than indicating a specific compound.

The following TICs were determined for this sample (Sample concentrations are approximate):

1001005-01 (R.O filter)

2-methyladamantane 9.4 mg/Kg Cyclic octaatomic sulfur...... 3.3 g/Kg

GC/MS 8260 VOLATILES Water Samples (W.O. 1001003 [37 samples])

Analyst(s):

Vince Marti and David D. Nguyen.

Holding Time Summary:

The samples collected on January 18, 19, 20 & 21, 2010 will be "J" flagged as estimated values because they exceed the holding time of seven days.

1001002,1001003,1001005 FINAL 06 09 11 1029

Print Date: 09-Jun-2011 Page 17 of 291 Amended Report - Amendment 2

EPAPAV0128316

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

The samples were prepared and analyzed according to EPA Method 8260 for volatile organics. The compounds 1, 3-dimethyl adamantane and adamantane were added to the list of the compounds analyzed.

Extraction and Analysis:

Twenty-five mL of sample was purged with helium for five minutes at 60 mL per minute. After purging, samples were determined by GC/MS calibrated from 0.25ug/L to 10.0 ug/L. The system maintained a passing tune through out the run.

Analyst Notes:

An initial calibration (ICAL) for 8260 analytes was performed at the beginning of the analysis sequence. This ICAL did not contain the analytes adamantane and 1,3-dimethyl adamantane.

An ICAL that did contain the adamantanes analytes was performed immediately after the samples analyzed with the same instrument settings. Values for the adamantanes were reported based on this ICAL. Additionally, the samples were rerun as duplicates after the adamantanes ICAL. These re-analyses confirmed the original analyses of the samples that were run earlier.

Calibration Summary:

The initial calibration verification (0B04001-ICV) had low recoveries for the following compounds: dichlorodifluoromethane and tetrachloroethene. These compounds will be "J" flagged as estimated values for all samples.

The compound nitrobenzene did not produce a linear ICAL, therefore it will not be reported.

The compound pentachloroethane degraded at the first CCV (0B04001-CCV1), therefore it will not be reported.

All continuation calibration verifications had recoveries above acceptance criteria for the compound tetrachloroethene. This compound was not found in any of the samples. Because of this, no qualifier flags were applied.

The 0B04001-CCV2, 0B04001-CCV3, and 0B04001-CCV4 had low recovery for the compound 2, 2-dichloropropane. This compound will be "J" flagged as estimated values for the samples determined between these CCVs.

0B04001-CCV4 had low recovery for the compound 1,1,2,2-tetrachloroethane. None of the samples associated with this CCV were quantitated for 1,1,2,2-tetrachloroethane (all were dilutions for other analytes). Therefore, no additional qualifiers will be applied.

Sample 1001003-24 (PGMW01) and 1001003-25 (PGMW01D) were originally analyzed with no dilution and found to have benzene and 1,3,5-trimethylbenzene exceed the linear range. Further dilution of this sample gave different results for these two compounds, which is to be expected of the very high results observed in the undiluted samples. It is the diluted analyte results that are reported.

Samples 1001003-26 (PGMW02) and 1001003-27 (PGMW03) had to be diluted because various target analytes were above the upper calibration range. It is the diluted analyte results that are reported.

QC Sample Summary:

No difficulties or unusual circumstances were encountered during these analyses.

Internal Standard/Surrogate Summary:

Sample 1001003-19 (PGDW46) had high recovery for the surrogate 1,2-dichloroethane-d4. No qualification is required because there were no target analytes detected in the sample.

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 18 of 291

Amended Report - Amendment 2

Print Date: 09-Jun-2011

EPAPAV0128317

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

Manual Integration Summary:

Manual integrations were performed.

The non-target peaks reported as Tentatively Identified Compounds (TICs) were identified using the NIST05 spectral library and the instrument manufacturer's (Agilent Technologies) search algorithm. To be identified as a TIC, a peak had to have an area at least 10% as large as the area of the nearest internal standard and a match quality greater than 90%. (The TIC match quality is based in the number and ratio of the major fragmentation ions. A perfect match has a value of 100%.) Although the TIC report is essentially a qualitative report, an estimated concentration is calculated based on a response factor of 1.00 and the area of the nearest internal standard. The search for TIC includes the whole chromatogram from 3.0 to 30.0 minutes.\par NOTE: TICs are compounds that can be detected, but, without the analysis of standards, cannot be confirmed or reliably quantified. Often times TICs are representative of a class of compounds rather than indicating a specific compound.

The following samples had TICs (Sample concentrations are approximate):

| 1001003-03 (PGDW05) 2-methyladamantane |
|---|
| 1001003-04 (PGDW05D) 2-methyladamantane 2.59 ug/L |
| , |
| 1001003-08 (PGDW23) 2,3-dimethylbutane 0.17 ug/L |
| 1001003-10 (PGDW30) |
| 1,3,5-trimethyladamantane 0.29 ug/L |
| 1001003-11 (PGDW32) |
| 2,3-dimethylbutane 0.28 ug/L |
| 2,4-dimethylpentane0.61 ug/L |
| 2,2-dimethylpentane0.68 ug/L |
| 2,2,3-trimethylpentane0.41 ug/L |
| 1001003-24 (PGMW01) |
| 1,1-dimethylcyclohexane |
| 1,2-dimethylcyclohexane 1.4 ug/L |
| 1,1,3-trimethylcyclohexane 2.3 ug/L |
| 1001003-25 (PGMW01D) |
| 1,1-dimethylcyclohexane |
| 1,2-dimethylcyclohexane 1.2 ug/L |
| 1,1,3-trimethylcyclohexane 2.3 ug/L |
| 1001003-26 (PGMW02) |
| Cyclohexane |
| Methylcyclohexane |
| 1,3-dimethylcyclohexane (cis) 12.75 ug/L |
| 1,1-dimethylcyclohexane |
| 1,2-dimethylcyclohexane (trans) 29.25 ug/L |
| 1,3-dimethylcyclohexane (trans) 17.25 ug/L |
| 1,2-dimethylcyclohexane (cis)7.75 ug/L |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 19 of 291 Print Date : 09-Jun-2011

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

| 1,2-diethylbenzene | 11.75 ug/L |
|-------------------------------------|------------|
| 2-ethenyl-1,4-dimethyl benzene | 12.75 ug/L |
| 1-methyl-Indane | 27.5 ug/l |
| 1H-Indene, 2,3-dihydro-1,1-dimethyl | 13.5 ug/L |
| 1,2,4,5-tetramethylbenzene | 9.25 ug/L |
| 1,2,3,4-tetrahydronaphthalene | 20.0 ug/L |
| 2-methylnaphthalene | 5.75 ug/L |
| | |

1001003-27 (PGMW03)

| Cyclohexane | . 51.65 ug/L |
|--------------------------------------|------------------|
| 1,3-dimethylcyclopentane (cis) | 5.1 ug/L |
| 1,2-dimethylcyclopentane (trans) | 5.25 ug/L |
| Methylcyclohexane | 39.75 ug/L |
| 1,2,4-trimethylcyclopentane | 4.8 ug/L |
| 1,3-dimethylcyclohexane (cis) | 16.3 ug/L |
| 1,1-dimethylcyclohexane | 18.5 ug/L |
| 1,2-dimethylcyclohexane (trans) | 28.05 ug/L |
| 1,3-dimethylcyclohexane (trans) | 14.75 ug/L |
| 1,2-dimethylcyclohexane (cis) | 7.8 ug/L |
| Octahydro pentalene (cis) | 4.4 ug/L |
| Bicyclo [3.2.1] octane | 7.2 ug/L |
| 1-ethyl-2-methyl cyclohexane | 5.4 ug/ L |
| 1,3-diethylbenzene | 4.65 ug/L |
| Indane | 11.35 ug/L |
| 1-methyl Indane | 5.5 ug/L |
| 1H-Indene, 2,3-dihydro-1,1-dimethyl. | 6.15 ug/L |

GC/MS 8260 VOLATILES Water Samples (W.O. 1001005 [4 samples])

Analyst(s):

Vince Marti and David D. Nguyen.

Holding Time Summary:

The samples were analyzed February 10, 2010, past the holding time of seven days. All results obtained will be "J" flagged as estimated values because they exceed the holding time.

Extraction and Analysis:

The produced water samples were prepared and analyzed according to EPA Method 8260 for volatile organics. The compounds 1,3-dimethyl adamantane and adamantane were added to the list of the compounds analyzed. Five mL of sample was purged with helium for five minutes at 60 mL per minute. After purging, samples were analyzed by a GC/MS system calibrated from 0.25ug/L to 10.0 ug/L. The system maintained a passing tune through out the run.

Due to the large amount of hydrocarbons present in the samples, the smallest dilution determined was a 100X. Reporting limits were adjusted accordingly.

Analyst Notes:

Calibration Summary:

The initial calibration verification (0B10001-ICV1) had low recoveries for the following compounds: dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, chloroethane, trichlorofluoromethane, carbon

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 20 of 291

Amended Report - Amendment 2

EPAPAV0128319

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Case Comments

disulfide, allyl chloride, tetrachloroethene and 1,2-dichloro-3-chloropropane. These compounds will be "J" flagged as estimated values for all samples.

The compound nitrobenzene did not produce a linear ICAL, therefore it will not be reported.

The compound pentachloroethane degraded with 0B10001-CCV1, and with subsequent CCV's as well. Therefore it will not be reported.

The first continuous calibration verification (0B10001-CCV1) had low recovery for the compounds: dichlorodifluoromethane, chloromethane, vinyl chloride, trichlorofluoromethane, acrylonitrile, methyl acrylate, metacrylonitrile, 1,2,3-trichloropropane, and 1,2-dichloro-3-chloropropane. The compound 1,3-dimethyl adamantane had high recovery. This CCV only affected the 1,000,000X dilution of sample 1001005-03 (PGPP04P). None of the compounds listed were detected for this dilution, no qualification is required.

The 0B10001-CCV2 had low recovery for the compounds: dichlorodifluoromethane, and tetrachloroethene. These compounds are "J" flagged as estimated values for the samples affected by this CCV.

The 0B10001-CCV3 and 0B10001-CCV4 had low recovery for the compounds dichlorodifluoromethane and chloromethane. These compounds are "J" flagged as estimated values for all samples. The compound tetrachloroethene had high recovery in CCV4. This compound was not detected in any of the samples, so no qualifier flags will be applied.

QC Sample Summary:

The blank (1000027-BLK1) had methylene chloride slightly above the reporting limit. The compound is "J" flagged as estimated values for all samples with values above the reporting limit.

Internal Standard/Surrogate Summary:

No difficulties or unusual circumstances were encountered during these analyses.

Manual Integration Summary:

Manual integrations were performed.

The non-target peaks reported as Tentatively Identified Compounds (TICs) were identified using the NIST05 spectral library and the instrument manufacturer's (Agilent Technologies) search algorithm. To be identified as a TIC, a peak had to have an area at least 10% as large as the area of the nearest internal standard and a match quality greater than 90%. (The TIC match quality is based in the number and ratio of the major fragmentation ions. A perfect match has a value of 100%.) Although the TIC report is essentially a qualitative report, an estimated concentration is calculated based on a response factor of 1.00 and the area of the nearest internal standard. The search for TICs includes the whole chromatogram from 3.0 to 30.0 minutes. NOTE: TICs are compounds that can be detected, but, without the analysis of standards, cannot be confirmed or reliably quantified. Often times TICs are representative of a class of compounds rather than indicating a specific compound.

The following samples had TICs:

1001005-02 (PGPP01)

| , | | |
|---------------------|-------|------|
| 2-methylpentane | 6280 | ug/L |
| Hexane | 7350 | ug/L |
| Methyl cyclopentane | 7180 | ug/L |
| 2-methyl hexane | .6740 | ug/L |
| Cyclohexane16 | 3270 | ug/L |
| 3-methyl hexane | 7010 | ug/L |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 21 of 291

Amended Report - Amendment 2

EPAPAV0128320

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Case Comments

| Heptane 23000 ug/L Methyl cyclohexane 88390 ug/L Octane 43790 ug/L Nonane 5100 ug/L Undecane 3760 ug/L |
|---|
| 1001005-03 (PGPP04P) 2-methylpentane 1674 mg/L Hexane 1934 mg/L Methyl cyclopentane 1688 mg/L 2-methyl hexane 2034 mg/L Cyclohexane 3888 mg/L 3-methyl hexane 2146 mg/L Heptane 6642 mg/L Methyl cyclohexane 22800 mg/L Octane 6992 mg/L |
| 1001005-04 (PGPP05) 3-Methyl hexane. 286 ug/L Heptane. .450 ug/L Methyl cyclohexane. 1935 ug/L 2-methyl heptane. .581 ug/L 1,3-dimethyl cyclohexane. .901 ug/L 1,4-dimethyl cyclohexane. .1096 ug/L Octane. .749 ug/L Undecane. .679 ug/L Dodecane. .341 ug/L |
| 1001005-05 (PGPP06) Cyclopentane 105 ug/L Methyl cyclopentane 166 ug/L Acetone 791 ug/L Methyl cyclohexane 1138 ug/L 2-Pentanone 242 ug/L Octane 137 ug/L 1-methyl naphthalene 42 ug/L |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Extractable Petroleum Hydrocarbons by 8015 DRO

| Station ID: PGD | IW03 | | 00000 | T. | tata / | Time Samp |
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01/20/10 09:40

1001002 Workorder

EPA Tag No.: Matrix: Water

1001002-01 A Lab Number:

| Method | Parameter | Results | Units | Qual- ifier | Limit | Facto | n r Analyzed | Ву | Batch |
|--------------|-----------------------|---------|--------------|----------------|-------|-------|-----------------|-----|---------|
| EPA 8015B | Diesel range organics | < 20.0 | ug/L | | 20.0 | 1 | 01/28/2010 | JAK | 1000011 |
| Surrogate: c | p-Terphenyl | 94.2 % | Limit 60-140 | | | 1 | 01/28/2010 | JAK | 1000011 |

Station ID: PGDW04 EPA Tag No.:

Date / Time Sampled:

01/20/10 10:20

1001002 Workorder 1001002-02 A

Matrix: Water Lab Number:

| | | | | Qual- | Report | Dilutio | n | | |
|--------------|-----------------------|---------|--------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8015B | Diesel range organics | < 20.0 | ug/L | | 20.0 | 1 | 01/28/2010 | JAK | 1000011 |
| Surrogate: 0 | o-Terphenyl | 101 % | Limit 60-140 | | | 1 | 01/28/2010 | JAK | 1000011 |

Station ID: PGDW05

Date / Time Sampled:

01/18/10 11:50

1001002 Workorder

EPA Tag No.:

Water Matrix:

Panort

1001002-03 A Lab Number:

| Method | Parameter | Results | Units | Qual- ifier | Limit | Facto | | Ву | Batch |
|------------|-----------------------|---------|--------------|----------------|-------|-------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 75.3 | ug/L | | 20.0 | 1 | 01/28/2010 | JAK | 1000011 |
| Surrogate: | o-Terphenyl | 102 % | Limit 60-140 | | | 1 | 01/28/2010 | JAK | 1000011 |

Station ID: PGDW05D EPA Tag No.:

Date / Time Sampled:

Matrix: Water

01/18/10 11:50

Workorder 1001002

Lab Number: 1001002-04 A

Qual- Report Dilution Method Parameter Results Units ifier Limit Factor Analyzed Batch Βv EPA 8015B 76.4 Diesel range organics 20.0 1000011 ug/L 01/28/2010 Surrogate: o-Terphenyl 112 % 01/28/2010 JAK 1000011 Limit 60-140

Station ID: PGDW10

Date / Time Sampled:

01/18/10 14:30

Workorder 1001002

EPA Tag No.:

Matrix: Water

1001002-05 A Lab Number:

Qual- Report Dilution Method Limit Factor Analyzed **Parameter** Results Units Batch ifier **EPA 8015B** < 20.0 20.0 01/28/2010 1000011 Diesel range organics ug/L Surrogate: o-Terphenyl 105 % 01/28/2010 JAK 1000011 Limit 60-140

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 23 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Extractable Petroleum Hydrocarbons by 8015 DRO

| | | | | office. | | | | | 160% | | | |
|-------|-----|------|------|---------|--------|--------|-------|----------|------|---------|------|---|
| Sta | 100 | 2399 | 200 | 200 | \neg | 4.5 | 1 A I | α | | | | |
| × *** | 171 | Λn | 177 | | - | 11/2 | vv | /11 | 480 | J. 1850 | 2000 | |
| ~~ | 4.5 | V | 1500 | 46.00 | 688 | 147110 | 1888 | 200 | | | | 2 |
| | | | | | | | | | | | | |

Date / Time Sampled:

01/19/10 12:05

1001002 Workorder

EPA Tag No.:

Matrix: Water

1001002-06 A Lab Number:

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilutio Facto | | Ву | Batch |
|------------|-----------------------|---------|--------------|----------------|-----------------|------------------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 21.7 | ug/L | | 20.0 | 1 | 01/28/2010 | JAK | 1000011 |
| Surrogate: | o-Terphenyl | 117 % | Limit 60-140 | | | 1 | 01/28/2010 | JAK | 1000011 |

Station ID: PGDW22

Date / Time Sampled:

01/18/10 13:45

1001002 Workorder

EPA Tag No.:

Matrix: Water

Lab Number:

1001002-07 A

| Method | Parameter | Results | Units | Qual- ifier | Limit | Factor | = = | Ву | Batch |
|------------|-----------------------|---------|--------------|----------------|-------|--------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 154 | ug/L | | 20.0 | 1 | 01/28/2010 | JAK | 1000011 |
| Surrogate: | o-Terphenyl | 108 % | Limit 60-140 | | | 1 | 01/28/2010 | JAK | 1000011 |

Station ID: PGDW23

Date / Time Sampled:

01/18/10 10:55

1001002 Workorder

EPA Tag No.:

Matrix: Water

Lab Number:

1001002-08 A

Qual- Report Dilution Limit Factor Analyzed Method **Parameter** Results Units Batch EPA 8015B Diesel range organics < 20.0 ug/L 20.0 01/28/2010 **JAK** 1000011 Surrogate: o-Terphenyl 106 % 01/28/2010 1000011 JAK Limit 60-140

Station ID: PGDW25

Date / Time Sampled:

01/19/10 13:50

1001002 Workorder

EPA Tag No.:

Matrix: Water

Lab Number: 1001002-09 A

Qual- Report Dilution Method Parameter Results Units Limit Factor Analyzed Batch ifier Ву **EPA 8015B** Diesel range organics 27.8 20.0 1000011 ug/L JAK 01/28/2010 Surrogate: o-Terphenyl 116 % Limit 60-140 01/28/2010 JAK 1000011

Station ID: PGDW30

Date / Time Sampled:

01/18/10 14:40

1001002 Workorder

EPA Tag No.:

Matrix: Water

1001002-10 A Lab Number:

Qual- Report Dilution Limit Factor Analyzed Method Parameter Results Units Batch ifier Ву **EPA 8015B** 35.0 20.0 Diesel range organics 1000011 ug/L 01/29/2010 JAK Surrogate: o-Terphenyl 114 % 01/29/2010 1000011 Limit 60-140

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 24 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Extractable Petroleum Hydrocarbons by 8015 DRO

| Ctati | on I | 1 | PGD | W | 9 |
|-------|------|----------|---------|-------|-----------|
| Stati | | 40-40 | 480-488 | -80-4 | \$ 60-de- |

Date / Time Sampled:

01/20/10 13:00

Report

Workorder 1001002

EPA Tag No.:

Matrix: Water

Lab Number: 1001002-11 A

Dilution

| Method | Parameter | Results | Units | ifier | Limit | Facto | | Ву | Batch |
|--------------|-----------------------|---------|--------------|-------|-------|-------|------------|-----|---------|
| EPA 8015B | Diesel range organics | < 20.0 | ug/L | | 20.0 | 1 | 01/29/2010 | JAK | 1000011 |
| Surrogate: o | -Terphenyl | 111 % | Limit 60-140 | | | 1 | 01/29/2010 | JAK | 1000011 |

Station ID: PGDW39

Date / Time Sampled:

01/19/10 10:25 Workorder

1001002

EPA Tag No.:

Matrix: Water

Lab Number: 1001002-12 A

| Method | Parameter | Results | Units | Qual- ifier | Limit | Factor | · - | Ву | Batch |
|------------|-----------------------|---------|--------------|----------------|-------|--------|----------------|-----|---------|
| EPA 8015B | Diesel range organics | 30.0 | ug/L | | 20.0 | 1 | 01/29/2010 | JAK | 1000011 |
| Surrogate: | o-Terphenyl | 114 % | Limit 60-140 | | | 1 | 01/29/2010 | JAK | 1000011 |

Station ID: PGDW42

Date / Time Sampled:

01/19/10 11:00

1001002 Workorder

EPA Tag No.:

Matrix: Water

Lab Number: 1001002-13 A

| | | | Quai- | | Dilution | | | | |
|--------------|-----------------------|---------|--------------|-------|----------|--------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 8015B | Diesel range organics | 21.6 | ug/L | | 20.0 | 1 | 01/29/2010 | JAK | 1000011 |
| Surrogate: c | o-Terphenyl | 111 % | Limit 60-140 | | | 1 | 01/29/2010 | JAK | 1000011 |

Station ID: PGDW44

Date / Time Sampled:

01/18/10 12:15

Workorder 1001002

EPA Tag No.:

Matrix: Water

Lab Number: 1001002-14 A

Qual- Report Dilution Method Parameter Results Units Limit Factor Analyzed Batch ifier Ву EPA 8015B Diesel range organics 44.3 20.0 1000011 ug/L JAK 01/29/2010 01/29/2010 Surrogate: o-Terphenyl 111 % Limit 60-140 JAK 1000011

Station ID: PGDW45

EPA Tag No.:

Date / Time Sampled:

01/18/10 13:10

1001002 Workorder

Matrix: Water

Lab Number: 1001002-15 A

Qual- Report Dilution Limit Factor Analyzed Method Parameter Results Units ifier **EPA 8015B** 41.3 20.0 Diesel range organics ug/L

Surrogate: o-Terphenyl

111 % Limit 60-140 01/29/2010

01/29/2010

Batch 1000011 JAK

1000011

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Extractable Petroleum Hydrocarbons by 8015 DRO

| A | 300 M | | 4830 | 20 | | \ A / . | 12 |
|----------|-----------------|--------|------|----|---|---------|----|
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| Jakanana | division all of | 603333 | | | | | |

Date / Time Sampled:

01/20/10 10:20

Workorder 1001002

EPA Tag No.:

Matrix: Water

Lab Number:

1001002-16 A

| Method | Parameter | Results | Units | Qual- ifier | Limit | Facto | | Ву | Batch |
|---------------|-----------------------|---------|--------------|----------------|-------|-------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 25.5 | ug/L | | 20.0 | 1 | 01/29/2010 | JAK | 1000011 |
| Surrogate: o- | -Terphenyl | 83.8 % | Limit 60-140 | | | 1 | 01/29/2010 | JAK | 1000011 |

Station ID: PGDW47

Date / Time Sampled:

01/19/10 11:55

Workorder

1001002

EPA Tag No.:

Matrix: Water

Lab Number: 1001002-17 A

| Method | Parameter | Results | Units | Qual- ifier | Limit | Facto | | Ву | Batch |
|------------|-----------------------|---------|--------------|----------------|-------|-------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 26.6 | ug/L | | 20.0 | 1 | 01/29/2010 | JAK | 1000011 |
| Surrogate: | o-Terphenyl | 108 % | Limit 60-140 | | | 1 | 01/29/2010 | JAK | 1000011 |

Station ID: PGPW01

Date / Time Sampled:

01/20/10 08:30

1001002 Workorder

EPA Tag No.:

Matrix: Water

1001002-18 A Lab Number:

| | | | | Qual- | Report | Dilutio | | | |
|--------------|-----------------------|---------|--------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 8015B | Diesel range organics | < 20.0 | ug/L | | 20.0 | 1 | 01/29/2010 | JAK | 1000011 |
| Surrogate: c | o-Terphenyl | 104 % | Limit 60-140 | | | 1 | 01/29/2010 | JAK | 1000011 |

Station ID: PGPW02

Date / Time Sampled:

01/20/10 08:35 Workorder

1001002

EPA Tag No.:

Matrix: Water

Lab Number: 1001002-19 A

| Method | Parameter | Results | Units | Qual- Report ifier Limit | Fac | tion tor Analyzed | Ву | Batch |
|------------|-----------------------|---------|--------------|-----------------------------|-----|----------------------|-----|---------|
| EPA 8015B | Diesel range organics | 23.1 | ug/L | 22.0 | 1 | 01/29/2010 | JAK | 1000011 |
| Surrogate: | o-Terphenyl | 115 % | Limit 60-140 | | 1 | 01/29/2010 | JAK | 1000011 |

Station ID: PGSW01

Date / Time Sampled:

01/18/10 17:00

1001002 Workorder

EPA Tag No.:

Matrix: Water

Lab Number: 1001002-20 A

Qual- Report Dilution Method Limit Factor Analyzed Parameter Results Units Batch ifier **EPA 8015B** Diesel range organics 108 20.0 1000011 ug/L 01/29/2010 Surrogate: o-Terphenyl 117 % 01/29/2010 1000011 Limit 60-140

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 26 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Extractable Petroleum Hydrocarbons by 8015 DRO

Station ID: PGSW02

Date / Time Sampled:

01/19/10 13:00

1001002 Workorder

EPA Tag No.:

Matrix: Water

1001002-21 A Lab Number:

| Method | Parameter | Results | Units | Qual- Report ifier Limit | Dilutio Facto | | Ву | Batch |
|------------|-----------------------|---------|--------------|-----------------------------|------------------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 103 | ug/L | 21.3 | 1 | 01/29/2010 | JAK | 1000011 |
| Surrogate: | o-Terphenyl | 114 % | Limit 60-140 | | 1 | 01/29/2010 | JAK | 1000011 |

Station ID: PGSW02D

Date / Time Sampled:

01/19/10 13:00

1001002 Workorder

Matrix: Water Lab Number: EPA Tag No.:

1001002-22 A

| Method | Parameter | Results | Units | Qual- ifier | Limit | Facto | | Ву | Batch |
|------------|-----------------------|---------|--------------|----------------|-------|-------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 207 | ug/L | j | 21.6 | 1 | 01/29/2010 | JAK | 1000011 |
| Surrogate: | o-Terphenyl | 108 % | Limit 60-140 | | | 1 | 01/29/2010 | JAK | 1000011 |

Station ID: PGDW40

Date / Time Sampled:

01/21/10 12:40

1001003 Workorder

EPA Tag No.:

Matrix: Water

1001003-13 A Lab Number:

Qual- Report Dilution Limit Method **Parameter** Results Units Factor Analyzed Batch EPA 8015B Diesel range organics 32.6 ug/L 20.0 1000015 01/29/2010 Surrogate: o-Terphenyl 119 % 01/29/2010 1000015

Limit 60-140

Station ID: PGDW41

Date / Time Sampled:

01/21/10 15:58

1001003 Workorder

EPA Tag No.:

Matrix: Water

Lab Number:

1001003-14

| | | | | Qual- | Report | Dilutio | n | | |
|--------------|-----------------------|---------|--------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8015B | Diesel range organics | 479 | ug/L | | 20.0 | 1 | 01/29/2010 | jAK | 1000015 |
| Surrogate: d | o-Terphenyl | 124 % | Limit 60-140 | | | 1 | 01/29/2010 | JAK | 1000015 |

Station ID: PGDW43

Date / Time Sampled:

01/21/10 13:50

1001003 Workorder

EPA Tag No.:

Matrix: Water

Lab Number: 1001003-16

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilutio Facto | | Ву | Batch |
|------------|-----------------------|---------|--------------|----------------|-----------------|------------------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 49.7 | ug/L | | 20.0 | 1 | 01/29/2010 | JAK | 1000015 |
| Surrogate: | o-Terphenyl | 114 % | Limit 60-140 | | | 1 | 01/29/2010 | JAK | 1000015 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 27 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Extractable Petroleum Hydrocarbons by 8015 DRO

| Station ID: PGDW48 | Date. | / Time Sampled: 01/20/1 | 1 13-25 | Workorder 1001003 |
|---------------------|-------|-----------------------------|-----------|---------------------|
| Station ID. 1 ODW40 | Date | i / I ime Sampied. 01/20/11 | J 13.23 | AAGLKGIDEL 100 1003 |
| EPA Tag No.: | Matri | x: Water | Lab N | umber: 1001003-21 A |
| 7467666666666 | | | 10000000 | 7776666666166 |
| | | | Demand B4 | · • |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Dilutio Factor | | Ву | Batch |
|--------------|-----------------------|---------|--------------|----------------|-------|-------------------|------------|-----|---------|
| EPA 8015B | Diesel range organics | < 20.0 | ug/L | J | 20.0 | 1 | 01/29/2010 | JAK | 1000015 |
| Surrogate: o | o-Terphenyl | 106 % | Limit 60-140 | | | 1 | 01/29/2010 | JAK | 1000015 |

| The state of the season of the state of the | | | den alle allen selle selle selle alte alte alle | | da, ista ista ista ista ista ista ista ista | |
|---|--------|----------|---|-------------------|---|--------------------|
| Station ID: PGDW49 | | .0000000 | Date / Time | Sampled: 01/22/10 | 0 09:30 W | forkorder 1001003 |
| 0400000000000 | | 0000000 | | | | .000000000000 |
| EPA Tag No.: | 000000 | | Matrix: Wa | ter | Lab Nu | mber: 1001003-22 A |
| | | | | | | |

| Method | Parameter | Results | Units | ifier Limit | Fact | | Ву | Batch |
|------------|-----------------------|---------|--------------|-------------|------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 130 | ug/L | 20.0 | 1 | 01/30/2010 | JAK | 1000015 |
| Surrogate: | o-Terphenyl | 109 % | Limit 60-140 | | 1 | 01/30/2010 | JAK | 1000015 |

| Station ID: PGFB01 | Da | ite / Time Sampled: 01/18 | /10 08:00 | rkorder 1001003 |
|--------------------|----------------|---------------------------|--------------|--------------------|
| -00000000000000000 | 00000000000000 | | 000000000000 | |
| EPA Tag No.: | Mat | trix: Water | Lab Num | nber: 1001003-23 A |
| | | | | |

| Method | Parameter | Results | Units | Quai- ifier | Limit | Facto | | Ву | Batch |
|--------------|-----------------------|---------|--------------|----------------|-------|-------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 26.5 | ug/L | J | 22.2 | 1 | 01/29/2010 | JAK | 1000015 |
| Surrogate: o | o-Terphenyl | 106 % | Limit 60-140 | | | 1 | 01/29/2010 | JAK | 1000015 |

| EPA Tag No.: Matrix: Water Water Lab Number: 100 | | | |
|--|----------------|-------------------|--------------|
| | : 1001003-24 A | ber: 1001003-24 A | iber: 100100 |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Facto | | Ву | Batch |
|------------|-----------------------|---------|--------------|----------------|-------|-------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 638 | ug/L | J | 200 | 10 | 01/29/2010 | JAK | 1000015 |
| Surrogate: | o-Terphenyl | 172 % | Limit 60-140 | | | 10 | 01/29/2010 | JAK | 1000015 |

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| Station ID: PGMW01D | | Date / Time Samp | led: 01/21/10 10:50 | Workorder | 1001003 |
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| the state of the state of the state of the state of | | | and the same and the same and the same and the | | |
| EPA Tag No.: | | Matrix: Water | | Lab Number: 10 | 01003-25 A |
| LITA 1 ay 11V., | | matrix, Trois | | Lab Hulliber, 10 | 01000 Z0 M |
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| | | | a . Danaz | 4 10:11.41 | |

| Method | Parameter | Results | Units | ifier | Limit | Facto | | Ву | Batch |
|---------------|-----------------------|---------|--------------|-------|-------|-------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 1230 | ug/L | J | 215 | 10 | 01/30/2010 | JAK | 1000015 |
| Surrogate: o- | -Terphenyl | 213 % | Limit 60-140 | | | 10 | 01/30/2010 | JAK | 1000015 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 28 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

1001003

Extractable Petroleum Hydrocarbons by 8015 DRO

| e. | ation ID: PGMW | '02 | | | n. | ata / Tima | Sampled: | 01/21/10 | 15:15 | Workorder |
|------|--------------------|-----|-------------------------------|-------------------------|----------------------------------|------------|-----------|----------------------------|--------------------|--------------|
| - 48 | ation in. I contro | 92 | 00000 | | | ate / Time | Jainpicu. | 0 1/2 1/10 | 10.10 | AACI KOI GEI |
| 4 | | | alle alle alle alle alle alle | distribution of the old | ta silla silla silla silla silla | | 4444 | alia alia dia alia alia. A | alle de de la come | 1.0 |

EPA Tag No.: Lab Number: 1001003-26 A

| Method | Parameter | Results | Units | ifier | Limit | Facto | | Ву | Batch |
|---------------|-----------------------|---------|--------------|-------|-------|-------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 62100 | ug/L | | 11000 | 500 | 01/30/2010 | JAK | 1000015 |
| Surrogate: o- | -Terphenyl | % | Limit 60-140 | | | 500 | 01/30/2010 | JAK | 1000015 |

Station ID: PGMW03 Date / Time Sampled: 01/21/10 14:30 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-27 A

Qual- Report Dilution Factor Analyzed Method Parameter Results Units Limit Batch ifier EPA 8015B Diesel range organics 4830 ug/L 220 JAK 1000015 01/30/2010 Surrogate: o-Terphenyl 236 % 10 01/30/2010 1000015 JAK Limit 60-140

EPA Tag No.: Matrix: Water Lab Number: 1001003-42 A

| Method | Parameter | Results | Units | ifier Limit | Fact | | Ву | Batch |
|--------------|-----------------------|---------|--------------|-------------|------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 102 | ug/L | 20.0 | 1 | 01/30/2010 | JAK | 1000015 |
| Surrogate: o | -Terphenyl | 123 % | Limit 60-140 | | 1 | 01/30/2010 | JAK | 1000015 |

Station ID: PGSW04 Date / Time Sampled: 01/20/10 16:20 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-43 /

Report Dilution Qual-Limit Method **Parameter** Results Units Factor Analyzed Batch ifier EPA 8015B Diesel range organics 90.0 20.0 1000015 ug/L JAK 01/30/2010 01/30/2010 Surrogate: o-Terphenyl 124 % Limit 60-140 1000015

Station ID: PGSW05 Date / Time Sampled: 01/22/10 09:15 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-44 A

Report Dilution Qual-Method Limit Factor Analyzed **Parameter** Results Units Batch ifier **EPA 8015B** Diesel range organics 86.6 20.0 1000015 ug/L 01/30/2010 Surrogate: o-Terphenyl 123 % 01/30/2010 1000015 Limit 60-140

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Extractable Petroleum Hydrocarbons by 8015 DRO

| Stati | ٥n | ı'n٠ | P | GSI | Ε0′ | |
|-------|-----|------|---|-----|-----|-----|
| 477 | *** | | | | | * # |

Date / Time Sampled:

01/19/10 11:45

1001003 Workorder

EPA Tag No.:

Matrix: Soil

1001003-30 B Lab Number:

| Method | Parameter | Results | Units | Qual- ifier | Limit | Dilutio Factor | n Analyzed | Ву | Batch |
|------------|-----------------------|---------|--------------|----------------|-------|-------------------|---------------|-----|---------|
| EPA 8015B | Diesel range organics | < 20.0 | mg/kg | | 20.0 | 1 | 02/09/2010 | JAK | 1000019 |
| Surrogate: | o-Terphenyl | 96.1 % | Limit 60-140 | | | 1 | 02/09/2010 | JAK | 1000019 |

Station ID: PGSE02 EPA Tag No.:

Date / Time Sampled:

01/19/10 13:00

1001003 Workorder

Matrix: Soil

Lab Number: 1001003-31 B

| | | | | Qual- | Report | Dilutio | n | | |
|--------------|-----------------------|---------|--------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8015B | Diesel range organics | < 20.0 | mg/kg | | 20.0 | 1 | 02/10/2010 | JAK | 1000019 |
| Surrogate: 6 | o-Terphenyl | 81.1 % | Limit 60-140 | | | 1 | 02/10/2010 | JAK | 1000019 |

Station ID: PGSE02D EPA Tag No.:

Date / Time Sampled:

01/19/10 13:00

1001003 Workorder

Matrix: Soil

Lab Number:

1001003-32 B

| Method | Parameter | Results | Units | Qual- ifier | Limit | Factor | | Ву | Batch |
|------------|-----------------------|---------|--------------|----------------|-------|--------|------------|-----|---------|
| EPA 8015B | Diesel range organics | < 20.0 | mg/kg | | 20.0 | 1 | 02/10/2010 | JAK | 1000019 |
| Surrogate: | o-Terphenyl | 94.4 % | Limit 60-140 | | | 1 | 02/10/2010 | JAK | 1000019 |

Station ID: PGSE03

Date / Time Sampled:

01/20/10 15:50

1001003 Workorder

EPA Tag No.:

Matrix: Soil

Lab Number:

1001003-33 B

Qual- Report Dilution Method **Parameter** Results Units Limit Factor Analyzed Batch ifier EPA 8015B Diesel range organics < 20.0 mg/kg 20.0 02/10/2010 1000019 Surrogate: o-Terphenyl 90.7 % 02/10/2010 1000019

Limit 60-140

Station ID: PGSE04

Date / Time Sampled:

01/20/10 16:40

Workorder 1001003

EPA Tag No.:

Matrix: Soil

Lab Number: 1001003-34 B

| | | | | Qual- | Report | Dilutio | n | | |
|--------------|-----------------------|---------|--------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8015B | Diesel range organics | < 20.0 | mg/kg | | 20.0 | 1 | 02/10/2010 | JAK | 1000019 |
| Surrogate: o | o-Terphenyl | 89.4 % | Limit 60-140 | | | 1 | 02/10/2010 | JAK | 1000019 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 30 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Extractable Petroleum Hydrocarbons by 8015 DRO

| Station ID: PGSE05 | | | ime Sampled: | 01/22/10 09 | | | r 1001003 |
|--------------------|--|---------|--------------|-------------|----|-----------|--------------|
| EPA Tag No.: | | Matrix: | Soil | | La | b Number: | 1001003-35 B |

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilutio Facto | | Ву | Batch |
|--------------|-----------------------|---------|--------------|----------------|-----------------|------------------|------------|-----|---------|
| EPA 8015B | Diesel range organics | < 20.0 | mg/kg | | 20.0 | 1 | 02/10/2010 | JAK | 1000019 |
| Surrogate: o | o-Terphenyl | 93.3 % | Limit 60-140 | | | 1 | 02/10/2010 | JAK | 1000019 |

| although after after other after after after after after after after | he silike silke silke. | salte after other after after est | , dibe Albi Albi Albi Albi A | eller, selter selter, selter selte, selter, i | alle alle, alle, alle, alle, alle, alle, alle, alle | e utter sette setter sette sette ut | | i uthe effer effer effer effer effer effer effer effer effer |
|--|------------------------|-----------------------------------|------------------------------|---|---|-------------------------------------|----------|--|
| Station ID: PGSO01 | | 000000 | 00000 | Date / Ti | me Sampled: | 01/21/10 12: | 00 Worl | korder 1001003 |
| | | | | | 0004000 | | | .000000000 |
| EPA Tag No.: | 1000 | | | Matrix: | Soil | 0000000 | Lab Numb | er: 1001003-36 A |
| | | | | | | | | |

| Method | Parameter | Results | Units | Qual- Report ifier Limit | Fact | | Ву | Batch |
|--------------|-----------------------|---------|--------------|-----------------------------|------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 1720 | mg/kg | 200 | 10 | 02/10/2010 | JAK | 1000019 |
| Surrogate: o | o-Terphenyl | 110 % | Limit 60-140 | | 10 | 02/10/2010 | JAK | 1000019 |

| Station ID: PGSO02 | Date | e / Time Sampled: 01/20/10 | 14:30 Workorder 1001003 |
|---|---|----------------------------|---|
| 777707000000000000000000000000000000000 | .00000000000000000000000000000000000000 | 6000000000000 | 000000 0000000000000000000000000000000 |
| EPA Tag No.: | Matr | ix: Soil | Lab Number: 1001003-37 A |
| 7. B. | | | ~ |

| Method | Parameter | Results | Units | ifier L | imit. | Factor | | Ву | Batch |
|------------|-----------------------|---------|--------------|---------|-------|--------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 538 | mg/kg | : | 200 | 10 | 02/10/2010 | JAK | 1000019 |
| Surrogate: | o-Terphenyl | 94.6 % | Limit 60-140 | | | 10 | 02/10/2010 | JAK | 1000019 |

| Station ID: PGSO03 | 00000000 | 4400000 | Date / Tim | ne Sampled: | 01/20/10 10:50 | Workord | er 1001003 |
|--------------------|-----------|---|------------|--------------------------------------|----------------|---------------------------------------|-------------------------|
| otation 1D | .60000000 | 0000000 | | | | WOIROIG | |
| EPA Tag No.: | 00000000 | ***** | Matrix: 5 | Soil | 0000000 | Lab Number: | 1001003-38 A |
| | | All | | s also also also also also also also | | Alle die die die die die die de die d | COLOR AL AND AL AND ALL |

| Method | Parameter | Results | Units | Qual- ' ifier | Limit | Factor | n Analyzed | Ву | Batch |
|------------|-----------------------|---------|--------------|------------------|-------|--------|---------------|-----|---------|
| EPA 8015B | Diesel range organics | 151 | mg/kg | | 20.0 | 1 | 02/10/2010 | JAK | 1000019 |
| Surrogate: | o-Terphenyl | 97.0 % | Limit 60-140 | | | 1 | 02/10/2010 | JAK | 1000019 |

| Station ID: PGFM20 | | Date / Time Sampled: 01/19/ | 0 12:05 | Workorder 10 | 001005 |
|--------------------|---|-----------------------------|----------|----------------|------------------------------------|
| EPA Tag No.: | M | atrix: Soil | La | b Number: 1001 | 005-01 A |
| | | Oue | ı Report | Dilution | 20, 20, 20, 20, 20, 20, 20, 20, 20 |

| Method | Parameter | Results | Units | ifier Lim | acto | | Ву | Batch |
|---------------|-----------------------|---------|--------------|-----------|----------|------------|-----|---------|
| EPA 8015B | Diesel range organics | 752 | mg/kg | 400 | 10 | 02/10/2010 | JAK | 1000025 |
| Surrogate: o- | -Terphenyl | 192 % | Limit 60-140 | | 10 | 02/10/2010 | JAK | 1000025 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 31 of 291

01/20/10 09:40

Project: Pavillion#1 2010 LSR No: 1001-004

Station ID: PGDW03

Certificate of Analysis

Workorder 1001003

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID

| EPA Tag No.: | | Matrix: V | Vater | | 0000 | ab Numb | -0000 | 003-01 | 0000 |
|-----------------------------|---------------------------------------|----------------------|-----------------------------|----------------|-----------------|--------------------|---|------------|--------------------|
| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilution Factor | ı Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 (| 01/26/2010 | JAK | 1000014 |
| Surrogate: E | Bromofluorobenzene | 106 % | Limit 70-130 | | | 1 | 01/26/2010 | JAK | 1000014 |
| Station ID: P | GDW04 | Date / Tim | e Sampled: 0 | 1/20/10 | 10:20 | Worl | korder 10 | 01003 | |
| EPA Tag No.: | | Matrix: V | Vater | | L | ab Numb | er: 10010 | 003-02 | fill. |
| Method | Parameter | Results | Units | Qual- | Report Limit | Dilution Factor | n Analyzed | Ву | Batch |
| | | 11004100 | • | 11101 | | | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | עט | |
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 (| 01/26/2010 | JAK | 1000014 |
| 8021B/8015D | TPH as Gasoline Bromofluorobenzene | < 20.0 98.4 % | ug/L <i>Limit 70-130</i> | | 20.0 | | 01/26/2010 01/26/2010 | JAK JAK | 1000014 1000014 |
| 8021B/8015D | | | J | | 20.0 | | | | |
| 8021B/8015D Surrogate: E | | 98.4 % | Limit 70-130 | 1/18/10 | | 1 | 01/26/2010 | | |
| 8021B/8015D Surrogate: E | Bromofluorobenzene | 98.4 % Date / Tim | Limit 70-130 | 1/18/10 | 11:50 | 1 | 01/26/2010 korder 10 | JAK | 1000014 |

Date / Time Sampled:

| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
|---------------|-------------------|---------|--------------|-------|-------|-------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | 26.3 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: Bi | romofluorobenzene | 94.9 % | Limit 70-130 | | | 1 | 01/26/2010 | JAK | 1000014 |

| Station ID: PGDW05D Date / Time Sampled: 01/18/10 11:50 Workorder 1001003 EPA Tag No.: Matrix: Water Lab Number: 1001003-04 F |
|--|
| |

| Method | Parameter | Result | s Units | ifier | Limit | Factor | | Ву | Batch |
|---------------|-------------------|--------|------------|-------|-------|--------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | 31.1 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: Bi | romofluorobenzene | 108 % | Limit 70-1 | 30 | | 1 | 01/26/2010 | JAK | 1000014 |

| ******* | *** | | P### | \$ 49 49 49 | | | *** |) ### | | | 5-400-400-400-4 | \$ # # # # | | | *** | | ** | / 学 學 学 | 多關係 |
|-------------|--------|-------|------|-------------|--------|---------|--------|--------|---------------|-----|-----------------|------------|-----------|------------|--------|-----------|--------|-------------|-------|
| Station ID: | PGDW10 | | 1001 | | | | Date | / Time | Sample | ed: | 01/18/10 |) 14:30 | | Wor | kordei | • 1C | 01003 | r (\$-40-6) | |
| 202000 | | | | | -0-0-0 | | | | t-dis-dis-dis | | | | h 46-46-4 | }## | 144 | b. (b. 4) | | | |
| EPA Tag No. | | 0.000 | | | 404 | 40-40-4 | Matrix | : vva | iter | | | 0.000 | La | Numi | per: | 1001 | 003-05 | 1 to 6 to 6 | 140-4 |
| | | | | | | | | | | | | | | | | | | | |

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilutio Facto | | Ву | Batch |
|--------------|-------------------|---------|--------------|----------------|-----------------|------------------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 109 % | Limit 70-130 | | | 1 | 01/26/2010 | JAK | 1000014 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 32 of 291

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilution Factor | n Analyzed | Ву | Batch |
|--------------------------------|--|--|---|----------------|-----------------|--------------------|------------------------|---------------|-------------------|
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: E | Bromofluorobenzene | 108 % | Limit 70-130 | | | 1 | 01/26/2010 | JAK | 1000014 |
| Station ID: P | GDW22 | Date / Tim | ne Sampled: 0 | 1/18/10 | 13:45 | Wor | korder 10 | 01003 | |
| EPA Tag No.: | | Matrix: V | Vater | | L | _ab Numb | er: 10010 | 003-07 | F |
| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilutior Factor | ı Analyzed | Bv | Batch |
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: E | Bromofluorobenzene | 106 % | Limit 70-130 | | | 1 | 01/26/2010 | JAK | 1000014 |
| Station ID: P | GDW23 | Date / Tim | ne Sampled: 0 | 1/18/10 | 10:55 | Worl | korder 10 | 01003 | |
| All the district districts and | | | Vater | | 1 | ab Numb | er: 10010 | 003-08 | F |
| EPA Tag No.: | is dita alia dia dita dita dita dita dita dita dit | ultia, latan ultian litian ultian ultian elitan ultian ultian ultian ultian ultian ultian ultian ultian ultian | n Aista Aita, Aita, Aita, Aita, Aita, Aita, A | Qual- | | Dilution | - | dia dia dia i | lia dia dia dia d |
| | Davamatav | Desults | l l m ida | | | | | | |
| Method 8021B/8015D | Parameter TPH as Gasoline | Results < 20.0 | Units ug/L | ifier | 20.0 | | Analyzed 01/26/2010 | By JAK | 1000014 |

| Station ID: PGDW25 | Date | / Time Sampled: 01/19/10 | 0 13:50 Workorder 1001003 |
|--------------------|-------|--------------------------|---------------------------|
| EPA Tag No.: | Matri | ix: Water | Lab Number: 1001003-09 F |
| | | | |

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilutio Facto | | Bv | Batch |
|---------------|-------------------|---------|--------------|----------------|-----------------|------------------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: Br | romofluorobenzene | 110 % | Limit 70-130 | | | 1 | 01/26/2010 | JAK | 1000014 |

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|---|--|--|--|---|
| Station ID: PGDW30 | | D.4. (Time Occupie) | i: 01/18/10 14:40 | Workorder 1001003 |
| Station ID: LODANSO | | Date / Time Sampled | [; 01/10/10 14.40 | Workorder 1001003 |
| | | | | |
| EPA Tag No.: | | Matrix: Water | | Lab Number: 1001003-10 F |
| | | | | |

| | | | | Qual- | Report | Dilutio | n | | |
|--------------|--------------------|---------|--------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: B | Bromofluorobenzene | 106 % | Limit 70-130 | | | 1 | 01/26/2010 | JAK | 1000014 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 33 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID

| | TDU as Casalina | 20.6 | · · | · · | 20.0 | · · | · · | | 1000014 |
|---------------|-----------------|-------------|------------------------------------|----------|--------|----------|----------|----------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| | | | | Qual- | Report | Dilution | | | |
| EPA Tag No.: | | Matrix: Wa | ater | | l | _ab Numb | er: 1001 | 003-11 I | |
| Station ID: P | GDW32 | Date / Time | in all the second of the second of | 01/20/10 | 13:00 | Work | | 01003 | |
| | | | | | | | | | |

| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
|----------------|------------------|---------|--------------|-------|-------|-------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | 22.6 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: Bro | omofluorobenzene | 102 % | Limit 70-130 | | | 1 | 01/26/2010 | JAK | 1000014 |

Station ID: PGDW39 Date / Time Sampled: 01/19/10 10:25 Workorder 1001003 EPA Tag No.: Matrix: Water Lab Number: 1001003-12 F

Qual- Report Dilution Factor Analyzed Method Results Units Limit Parameter Batch ifier 8021B/8015D TPH as Gasoline < 20.0 ug/L 20.0 01/26/2010 JAK 1000014 1000014 106 % 01/26/2010 Surrogate: Bromofluorobenzene JAK Limit 70-130

Station ID: PGDW40 Date / Time Sampled: 01/21/10 12:40 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-13 F

Qual- Report Dilution Limit Factor Analyzed Method Results Units Parameter Batch ifier 8021B/8015D TPH as Gasoline < 20.0 ug/L 20.0 01/26/2010 JAK 1000014 102 % 01/26/2010 Surrogate: Bromofluorobenzene Limit 70-130 JAK 1000014

Station ID: PGDW41 Date / Time Sampled: 01/21/10 15:58 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-14 F

Report Dilution Qual-Method **Parameter** Results Units ifier Limit Factor Analyzed Ву **Batch** 8021B/8015D TPH as Gasoline < 20.0 01/26/2010 1000014 ug/L 20.0 Surrogate: Bromofluorobenzene 109 % 01/26/2010 JAK 1000014 Limit 70-130

Station ID: PGDW42 Date / Time Sampled: 01/19/10 11:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-15 F

Qual- Report Dilution Method Units Limit Parameter Results Factor Analyzed **Batch** ifier Ву 8021B/8015D TPH as Gasoline < 20.0 20.0 01/26/2010 JAK 1000014 ug/L Surrogate: Bromofluorobenzene 103 % 01/26/2010 1000014 JAK Limit 70-130

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID

| Station ID: PGDW43 | | Date / Time Sampled: | |
|--------------------|---------------------------------|----------------------|--------------------------|
| EPA Tag No.: | }\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ | Matrix: Water | Lab Number: 1001003-16 F |

| | | | | Qual- | Report | Dilutio | n | | |
|---------------|-------------------|---------|--------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: Bi | romofluorobenzene | 95.7 % | Limit 70-130 | | | 1 | 01/26/2010 | JAK | 1000014 |

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|--|------------------------------|--|---------------------------------------|---|--|--|-----------|
| Station ID: PGDW44 | 60000 | | Date | / Time Sampled: | 01/18/10 12:15 | Workorder 1 | .001003 |
| | | | | | | .0000000000000 | 64446 |
| EPA Tag No.: | 00000 | 000000 | Matri) | x: Water | | Lab Number: 100 | 1003-17 F |
| | | | | | | | |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Factor | = | Ву | Batch |
|--------------|-------------------|---------|--------------|----------------|-------|--------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 102 % | Limit 70-130 | | | 1 | 01/26/2010 | JAK | 1000014 |

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|---|--|-----------------------------------|-------------------------------------|--|--|--|---|--|
| Station ID: PGDW45 | | | | Date / Time | Sampled: | 01/18/10 13:10 | Worko | r der 1001003 |
| Aller | utilities affilies affilies affilies affilies | with attachment of the attachment | selber selber selber selber selber. | the second second of | | t udita. Alber adda, addit, alber adda, ad | ta, atta, efter atta, efter de ett ett | All the state of the siles of the siles of the |
| | allin aller aller aller aller | | | | | | buda da da da da da da | |
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| EPA Tag No.: | allo allo allo allo allo | | Alle alle alle alle alle | Matrix: ₩ | ater | | Lab Number | : 1001003-18 F |
| | de de la como de la co | | and a state of the state of the | | | | | |
| | | | | | | | | |

| | | | | Qual- | Report | Dilutio | 1 | | |
|--------------|-------------------|---------|--------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 98.0 % | Limit 70-130 |) | | 1 | 01/26/2010 | JAK | 1000014 |

| Station ID: PGDW46 | | Date / Time San | npled: 01/20/10 10:2 | Workorder 1001003 |
|--------------------|-----------|-----------------|----------------------|--------------------------|
| EPA Tag No.: | 000000000 | Matrix: Water | | Lab Number: 1001003-19 F |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Dilutior Factor | - | Ву | Batch |
|---------------|-------------------|---------|------------|----------------|-------|--------------------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/26/2010 | JAK | 1000014 |
| Surrogate: Bi | romofluorobenzene | 111 % | Limit 70-1 | 30 | | 1 | 01/26/2010 | JAK | 1000014 |

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|--|------------------------------------|--|---|--------------------------------------|---------------------------------------|--|--|--|
| Station ID: PGDW | 47 | | *** | Date / Tim | e Sampled: | 01/19/10 11:55 | Workorde | r 1001003 |
| | 40000 | ***** | 44444 | | | | | |
| EPA Tag No.: | **** | | | Matrix: V | /ater | 1000000 | Lab Number: | 1001003-20 F |
| | | | | | | | | |

| | | | | Qual- | Report | Dilutio | n | | |
|--------------|-------------------|---------|--------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/27/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 108 % | Limit 70-130 | | | 1 | 01/27/2010 | JAK | 1000014 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID

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|--|--|---|---|---|---|
| Station ID: PGDW48 | | Data / Times Care | pled: 01/20/10 1 | 12.75 | der 1001003 |
| Station ID: FUDVV40 | | Date / Time Sam | pied: UI/ZU/IU | D.ZJ VVOIKOIO | ier loolood |
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| All office of the office of the | | k silk silk silk sike de de dik silk silk silk silk silk silk silk si | | die die die de de die die die de | |
| EPA Tag No.: | | Matrix: Water | | lah Number | 1001003-21 F |
| LIA TOUTION. | | manix, Trace. | | Lup Itumpet. | 1001000 211 |
| — 606, 406, 602, 46 [™] 407, 400, 400, 400, 400, 400, 400, 400 | | | | | |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Dilutio Factor | n Analyzed | Ву | Batch |
|--------------|-------------------|---------|--------------|----------------|-------|-------------------|---------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/27/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 101 % | Limit 70-130 | | | 1 | 01/27/2010 | JAK | 1000014 |

| Albert Al | sides, sides, sides, sides, sides, sides, sold, | e, silke, siles, siles, silike, siles, siles, siles, | i Albi, dile static Albi, static albin static. | althur sellar, seller seller althur althur althur althur althur a | Max adds, alder adds, adds, alder, alder, alder. | often select after often often select effet often often often often often of |
|--|---|--|--|---|--|--|
| Station ID: PGDW49 | ***** | .0000000 | Date / Time | e Sampled: 01/22 | /10 09:30 | Workorder 1001003 |
| | | | 0000000 | 666'666666 | | 666666666666 |
| EPA Tag No.: | | | Matrix: ₩ | /ater | Lab | Number: 1001003-22 F |
| | | | | | | |

| | | | Qual- | Report | Dilution | | | | |
|--------------|-------------------|---------|--------------|--------|----------|-------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/27/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 107 % | Limit 70-130 | | | 1 | 01/27/2010 | JAK | 1000014 |

| Station ID: PGMW0 | 1 | | Date / Ti | me Sampled: 01/21 | /10 10:50 | Workorder 1001003 |
|-------------------|---------|---------|-----------|-------------------|-----------|----------------------|
| | ****** | 0000000 | 4-6-6-6-6 | VAVata | 000000000 | 4004000 04 5 |
| EPA Tag No.: | 0000000 | 0000000 | Matrix: | water | Lab | Number: 1001003-24 F |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Facto | | Ву | Batch |
|--------------|-------------------|---------|--------------|----------------|-------|-------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | 389 | ug/L | J | 20.0 | 1 | 01/27/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 112 % | Limit 70-130 | | | 1 | 01/27/2010 | JAK | 1000014 |

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|---|-------------------------------|-------------------------------------|--------------------------------|-----------------------------|-----------------------------|---|--|------------------------------|---|-----------------------------|
| Station ID: PGMW0 |)1D | 00000 | | Date / Tir | me Sampled | : 01/21/10 | 10:50 | Workorder | 1001003 | 00000 |
| <u> </u> | 100000 | 000000 | }6666 6 | | 80000 | -666666 | 0.000 | 000000 | | 40000 |
| EPA Tag No.: | 100000 | | | Matrix: | vvater | | Lab | Number: | 1001003-25 | * ***** |
| See also allo, also also also also also also also also | ka adda attis adda adda adda. | , alika alika alika alika alika ali | la alla alla alla alla atta at | en alte alte atte atte atte | alla alla alla alla alla al | in alternative attraction attraction at | . Alter tiller tiller tiller tiller tiller | ada alla ella alla alla alla | e utilite atitis, utilitis atilite, utilite i | atta, Alfa, alfa, alfa, alf |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Dilutio Factor | | Ву | Batch |
|--------------|--------------------|---------|--------------|----------------|-------|-------------------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | 322 | ug/L | | 20.0 | 1 | 01/27/2010 | JAK | 1000014 |
| Surrogate: B | Bromofluorobenzene | 117 % | Limit 70-130 | | | 1 | 01/27/2010 | JAK | 1000014 |

| Station ID: PGMW02 | Date / Time | Sampled: 01/21/10 15:1 | 5 Workorder 1001003 |
|--|--|--|--|
| -666666666666666 | \$0000000000000000000000000000000000000 | 1.6464646646666 | \$ |
| EPA Tag No.: | Matrix: Wa | ater | Lab Number: 1001003-26 F |
| The site of the si | da das das das das das das das das das d | in die | |

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilutio Factor | n ^ Analyzed | Ву | Batch |
|--------------|-------------------|---------|--------------|----------------|-----------------|-------------------|-----------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | 2210 | ug/L | | 20.0 | 1 | 01/27/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 166 % | Limit 70-130 | | | 1 | 01/27/2010 | JAK | 1000014 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 36 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID

| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
|-------------|-----------|-------------|----------|----------|-----------------------|-----------|--------------------------|-------|-------|
| | | | | Qual- | Report | Dilution | | | |
| EPA Tag No | | Matrix: Wa | ter | | | _ab Numbe | er: 10010 | 03-27 | F |
| | | | | | Alle Alle Alle Alle . | | All the same of the same | | |
| Station ID: | PGMW03 | Date / Time | Sampled: | 01/21/10 | 14:30 | Work | order 100 | 01003 | |
| | | | | | | | | | |

 8021B/8015D
 TPH as Gasoline
 1060
 ug/L
 20.0
 1
 01/27/2010
 JAK
 1000014

 Surrogate: Bromofluorobenzene
 123 %
 Limit 70-130
 1
 01/27/2010
 JAK
 1000014

Station ID: PGPW01 Date / Time Sampled: 01/20/10 08:30 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-28 F

Qual- Report Dilution Factor Analyzed Method Parameter Results Units Limit Batch ifier 1000014 8021B/8015D TPH as Gasoline < 20.0 ug/L 20.0 01/27/2010 JAK 99.6 % 01/27/2010 1000014 Surrogate: Bromofluorobenzene JAK Limit 70-130

 Station ID:
 PGPW02
 Date / Time Sampled:
 01/20/10 08:35
 Workorder
 1001003

 EPA Tag No.:
 Matrix:
 Water
 Lab Number:
 1001003-29 F

Qual- Report Dilution Factor Analyzed Limit Method Results Units Parameter Batch ifier 8021B/8015D TPH as Gasoline < 20.0 ug/L 20.0 01/27/2010 JAK 1000014 106 % 01/27/2010 1000014 Surrogate: Bromofluorobenzene Limit 70-130 JAK

Station ID: PGSW01 Date / Time Sampled: 01/18/10 17:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-39 F

Report Dilution Qual-Limit Method **Parameter** Results Units ifier Factor Analyzed Ву **Batch** 8021B/8015D TPH as Gasoline < 20.0 01/27/2010 1000014 ug/L 20.0 Surrogate: Bromofluorobenzene 114 % 01/27/2010 JAK 1000014 Limit 70-130

Station ID: PGSW02 Date / Time Sampled: 01/19/10 13:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-40 F

Report Dilution Qual-Method Units Limit **Parameter** Results Factor Analyzed Batch ifier Вν 8021B/8015D TPH as Gasoline < 20.0 20.0 01/27/2010 JAK 1000014 ug/L Surrogate: Bromofluorobenzene 110 % 01/27/2010 1000014 JAK Limit 70-130

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID

| Ctatic | n ID: | PC | 3510/1 | חפר | | 84 |
|--------|------------|----|--------|-----|--------|----|
| Static | "" · · · · | | 40-0 | | 1-68-6 | |

Date / Time Sampled:

01/19/10 13:00

Workorder 1001003

EPA Tag No.:

Matrix: Water

Lab Number: 1001003-41 F

Dilution

| Method | Parameter | Results | Units | Quai- ifier | Limit | Factor | | Ву | Batch |
|--------------|-------------------|---------|--------------|----------------|-------|--------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/27/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 109 % | Limit 70-130 | | | 1 | 01/27/2010 | JAK | 1000014 |

Station ID: PGSW03 EPA Tag No.:

Date / Time Sampled:

01/20/10 15:35

Workorder 1001003

Matrix: Water

Report

Lab Number: 1001003-42 F

| | | | Qua | | | | n | | |
|--------------|-------------------|---------|--------------|-------|-------|--------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/27/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 114 % | Limit 70-130 | | | 1 | 01/27/2010 | JAK | 1000014 |

Station ID: PGSW04

Date / Time Sampled:

01/20/10 16:20

Workorder 1001003

EPA Tag No.:

Water Matrix:

Lab Number:

1001003-43 F

| Method | Parameter | Results | Units | Qual- ifier | Limit | Factor | - | Ву | Batch |
|--------------|-------------------|---------|--------------|----------------|-------|--------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/27/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 107 % | Limit 70-130 | | | 1 | 01/27/2010 | JAK | 1000014 |

Station ID: PGSW05

Date / Time Sampled:

01/22/10 09:15

Workorder

1001003

EPA Tag No.:

Matrix: Water

Lab Number:

1001003-44 F

| | | | | Qual- | Report | Dilutio | n | | |
|--------------|-------------------|---------|--------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | < 20.0 | ug/L | | 20.0 | 1 | 01/27/2010 | JAK | 1000014 |
| Surrogate: B | romofluorobenzene | 110 % | Limit 70-130 | | | 1 | 01/27/2010 | JAK | 1000014 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID

| Station ID: PGSE01 EPA Tag No.: | | Date / Time Matrix: So | 7.1117.17.11 | 01/19/10 | | Workorder b Number: | - 1001003 1001003-30 A |
|------------------------------------|--|---------------------------|--------------|----------|--------|------------------------|---------------------------|
| | | | | Qual- | Report | Dilution | |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Dilution Factor | · - | Ву | Batch |
|--------------|--------------------|---------|--------------|----------------|-------|--------------------|----------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | < 150 | ug/kg | | 150 | 1 | 01/30/2010 | JAK | 1000016 |
| Surrogate: B | romofluo robenzene | 99.5 % | Limit 70-130 | | | 1 | 01/30/2010 | JAK | 1000016 |

| Station ID: PGSE02 | 2 | 100000 | Date / Tim | e Sampled: | 01/19/10 1 | 3:00 | Workorder | 1001003 | |
|--|------------------------|----------------------------|---|---------------------|-------------------------------------|------------------------------|------------------------------|--------------------------------------|----------------|
| | | | | | | | | | |
| EPA Tag No.: | 000000 | 100000 | Matrix: S | oil | | Labi | Number: | 1001003-31 A | A |
| and the site of th | ala ata da da da da da | os de vido sido sido des a | lan selah selah selah selah selah selah | alle de de de de de | in with the title with the title in | k alla alla alla alla alla a | alia sela etta etta alia eta | h stille aller aller stein aller all | da. 1994 - 198 |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Factor | · · | Ву | Batch |
|--------------|-------------------|---------|--------------|----------------|-------|--------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | < 150 | ug/kg | | 150 | 1 | 01/31/2010 | JAK | 1000016 |
| Surrogate: B | romofluorobenzene | 99.1 % | Limit 70-130 | | | 1 | 01/31/2010 | JAK | 1000016 |

| The state of the s | THE SEA SEE WAS THE PERSON NAMED IN | | | | | | |
|--|-------------------------------------|---|-------------------------|-----------------|---------------------------------------|--|------------------|
| Station ID: PGSE02D |) | and the first of the second | Date | : / Time Sample | ı· 01/19/10 1 | 3:00 Work | order 1001003 |
| | Laboration with the sales and | e seleta seleta seleta seleta seleta seleta a | na sita sita sita 👄 🗝 🕳 | | And the same same same same same same | an arten salan salah salah salah salah salah salah | |
| | | | | | | | |
| EPA Tag No.: | | . A. A. A. A. A. A. | Matri | ix: Soil | | Lab Numb | er: 1001003-32 A |
| /- 149 HV. | | | ****** | ···· | | | |
| | | | | | | | |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Factor | | Ву | Batch |
|--------------|-------------------|---------|--------------|----------------|-------|--------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | < 150 | ug/kg | | 150 | 1 | 01/30/2010 | JAK | 1000016 |
| Surrogate: B | romofluorobenzene | 97.2 % | Limit 70-130 | | | 1 | 01/30/2010 | JAK | 1000016 |

| Station ID: PGSE03 | | Date / Time Sample | d : 01/20/10 15:50 | Workorder 1001003 |
|--------------------|--------------------------------|--------------------|---------------------------|--------------------------|
| EPA Tag No.: | \$\$\$\$\$\$\$ \$\$\$\$\$\$ | Matrix: Soil | | Lab Number: 1001003-33 A |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Dilutio Facto | | Ву | Batch |
|--------------|-------------------|---------|--------------|----------------|-------|------------------|------------|-----|---------|
| 8021B/8015D | TPH as Gasoline | < 150 | ug/kg | | 150 | 1 | 01/31/2010 | JAK | 1000016 |
| Surrogate: B | romofluorobenzene | 79.1 % | Limit 70-130 | | | 1 | 01/31/2010 | JAK | 1000016 |

| "the select office ables select select office of | a alda alda ella piste alla ella ella | n alta alta alla alla alta alta al | a dela sella sella sella sella sella della sella | in dilih, pilih dilih jalih dilih dilih dilih dilih | der stille stille stille stille ditte stille stille | n selata s | the situation with with the situation with the situation of |
|--|---------------------------------------|------------------------------------|--|---|---|---|---|
| Station ID: PGS | NEO4 | | 8.4 | / T: | 01/20/10 16:4 | A 141-01-01- | r 1001003 |
| Station ID: PGS | 0EU4 | | Date . | / Time Sampled: | 01/20/10 10.4 | ·U vv orkorae | F 1001005 |
| de en en de en de en en el | | | | | | | |
| EPA Tag No.: | | | Matrix | : Soil | | Lab Number: | 1001003-34 A |
| 2. A. 10g (10 | | | | | | | .00:000 |

| | | | | Qual- | Report | Dilutio | n | | |
|--------------|--------------------|---------|--------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | < 150 | ug/kg | | 150 | 1 | 01/31/2010 | JAK | 1000016 |
| Surrogate: B | Bromofluorobenzene | 106 % | Limit 70-130 | | | 1 | 01/31/2010 | JAK | 1000016 |

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID

| EPA Tag No.: | | Matrix: S | | | | _ab Numb | er: 10010 | ने महिल नेविक नेविक | |
|--|--|--|--|--------------------------------|--------------------------|--|---|--|-----------------------------|
| | | | | Qual- | Report | Dilution | | | |
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | < 150 | ug/kg | | 150 | 1 (| 01/31/2010 | JAK | 1000016 |
| Surrogate: E | Bromofluorobenzene | 101 % | Limit 70-130 | | | 1 (| 01/31/2010 | JAK | 1000016 |
| Station ID: | PGS001 | Date / Tim | e Sampled: 0 | 1/21/10 | 12:00 | Worl | | 01003 | |
| EPA Tag No.: | | Matrix: S | oil | | allo allo allo allo di | _ab Numb | | 003-36 | Α |
| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilution Factor | Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | 5010000 | ug/kg | | 375000 | 2500 (| 02/01/2010 | JAK | 1000016 |
| Surrogate: E | Bromofluorobenzene | 168 % | Limit 70-130 | | | 1 (| 02/01/2010 | JAK | 1000016 |
| Station ID: | PGSO02 | Date / Tim | e Sampled: 0 | 1/20/10 | 14:30 | Worl | korder 10 | 01003 | |
| EPA Tag No.: | | Matrix: S | oil | | ı ı | _ab Numb | er: 10010 | 003-37 | 4 |
| | | | | Qual- | Report | Dilution | | | |
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| 8021B/8015D | TPH as Gasoline | 888000 | ug/kg | | 75000 | 500 (| 02/01/2010 | JAK | 1000016 |
| 002 1B/00 13D | | | 33 | | | 000 (| | | |
| | Bromofluorobenzene | 151 % | Limit 70-130 | | | | 02/01/2010 | JAK | 1000016 |
| Surrogate: E | Bromofluorobenzene PGSO03 | | Limit 70-130 | 1/20/10 | 10:50 | 1 | r ellir, plas selve silve silve plas | <i>JAK</i> 01003 | 1000016 |
| Surrogate: E | | Date / Tim | Limit 70-130 | 1/20/10 | | 1 | korder ¹⁰ | alle alle alle a | |
| Surrogate: E Station ID: F EPA Tag No.: | PGSO03 | Date / Tim Matrix: S | Limit 70-130 e Sampled: 0 oil | 1/20/10 Qual- | L Report | Worl _ab Numb Dilution | korder 10 er: 10010 | 01003 | A |
| Surrogate: E Station ID: F EPA Tag No.: Method | PGSO03 Parameter | Date / Tim Matrix: S Results | Limit 70-130 e Sampled: 0 oil Units | | Report Limit | Worl ab Numb Dilution Factor | korder 10 er: 10010 | 01003 003-38 / By | A Batch |
| Surrogate: E Station ID: F EPA Tag No.: Method | PGSO03 | Date / Tim Matrix: S Results 444000 | Limit 70-130 e Sampled: 0 oil | Qual- | L Report | Work ab Numb Dilution Factor | korder 10 er: 10010 | 01003 003-38 <i>i</i> | A |
| Surrogate: E Station ID: F EPA Tag No.: Method 8021B/8015D | PGSO03 Parameter | Date / Tim Matrix: S Results | Limit 70-130 e Sampled: 0 oil Units | Qual- | Report Limit | Worl ab Numb Dilution Factor | korder 10 er: 10010 Analyzed | 01003 003-38 / By | A Batch |
| Surrogate: E Station ID: F EPA Tag No.: Method 8021B/8015D Surrogate: E | PGSO03 Parameter TPH as Gasoline | Date / Tim Matrix: S Results 444000 166 % | Limit 70-130 e Sampled: 0 oil Units ug/kg Limit 70-130 | Qual- | Report Limit 37500 | Worl ab Numb Dilution Factor 250 (| Analyzed 02/01/2010 | 01003 003-38 / By JAK | Batch 1000016 |
| Surrogate: E Station ID: F EPA Tag No.: Method 8021B/8015D Surrogate: E | PGSO03 Parameter TPH as Gasoline Bromofluorobenzene | Date / Tim Matrix: S Results 444000 166 % | Limit 70-130 e Sampled: 0 oil Units ug/kg Limit 70-130 | Qual- ifier | Report Limit 37500 | Worl ab Numb Dilution Factor 250 (| Analyzed 02/01/2010 02/01/2010 | 01003 003-38 / By JAK <i>JAK</i> | Batch 1000016 |
| Surrogate: E Station ID: F EPA Tag No.: Method 8021B/8015D Surrogate: E | PGSO03 Parameter TPH as Gasoline Bromofluorobenzene | Date / Tim Matrix: S Results 444000 166 % | Limit 70-130 e Sampled: 0 oil Units ug/kg Limit 70-130 e Sampled: 0 | Qual- ifier | Report Limit 37500 | Worl ab Numb Dilution Factor 250 (| Analyzed 02/01/2010 02/01/2010 02/01/2010 002/01/2010 er: 10010 | 01003 003-38 / By JAK JAK 01005 | Batch 1000016 1000016 |
| Surrogate: E Station ID: F EPA Tag No.: Method 8021B/8015D Surrogate: E Station ID: F EPA Tag No.: | PGSO03 Parameter TPH as Gasoline Bromofluorobenzene | Date / Tim Matrix: S Results 444000 166 % Date / Tim Matrix: S Results | Limit 70-130 e Sampled: 0 oil Units ug/kg Limit 70-130 e Sampled: 0 | Qual- ifier | Report Limit 37500 | Worl ab Numb Dilution Factor 250 (1 (| Analyzed 02/01/2010 02/01/2010 02/01/2010 002/01/2010 er: 10010 | 01003 003-38 / By JAK JAK 01005 | Batch 1000016 |
| Station ID: FEPA Tag No.: Method 8021B/8015D Surrogate: E Station ID: FEPA Tag No.: Method 8021B/8015D | PGSO03 Parameter TPH as Gasoline Bromofluorobenzene PGFM20 | Date / Tim Matrix: S Results 444000 166 % Date / Tim Matrix: S | Limit 70-130 e Sampled: 0 oil Units ug/kg Limit 70-130 e Sampled: 0 oil | Qual- ifier 1/19/10 Qual- | Report Limit 37500 | Work Lab Numb Dilution Factor 250 (1 (Work Lab Numb Dilution Factor 1 (1 (1 (1 (1 (1 (1 (1 (| Analyzed 02/01/2010 02/01/2010 02/01/2010 corder 10 er: 10010 | 01003 003-38 / By JAK JAK 01005 | Batch 1000016 1000016 |

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Headspace Analysis by 5021A GC/FID

| Station ID: PGDW03 | | | 10 09:40 Workorder 100100 | |
|--------------------|--|-------------|----------------------------------|------|
| EPA Tag No.: | Maria de la companya | trix: Water | Lab Number: 1001003-0 | II D |

| Method | Parameter | Results | s Units | ifier L | imit | Factor | | Ву | Batch |
|-----------|-----------|---------|---------|---------|------|--------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | | 10.0 | 1 (| 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | | 5.00 | 1 (| 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | | 15.0 | 1 (| 01/25/2010 | VCM | 1000026 |

01/20/10 10:20 Workorder 1001003 Station ID: PGDW04 Date / Time Sampled: EPA Tag No.: Lab Number:

| | | | | Qual- Report | Diluti | on | | |
|-----------|-----------|---------|-------|--------------|--------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

Station ID: PGDW05 01/18/10 11:50 Workorder 1001003 Date / Time Sampled: Matrix: Water Lab Number: 1001003-03 D EPA Tag No.:

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilutio Facto | | Bv | Batch |
|-----------|-----------|---------|-------|----------------|-----------------|------------------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | J | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | 5.44 | ug/L | J | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | J | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

Station ID: PGDW05D 01/18/10 11:50 1001003 Date / Time Sampled: Workorder Lab Number: 1001003-04 D EPA Tag No.:

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilutio Facto | · | Ву | Batch |
|-----------|-----------|---------|-------|----------------|-----------------|------------------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | J | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | J | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | J | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

Workorder 1001003 Station ID: PGDW10 01/18/10 14:30 Date / Time Sampled: 1001003-05 D EPA Tag No.: Water Lab Number:

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilutio Factor | n Analyzed | Ву | Batch |
|-----------|-----------|---------|-------|----------------|-----------------|-------------------|---------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | J | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | J | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | J | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 41 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 **Certificate of Analysis**

Headspace Analysis by 5021A GC/FID

| Station ID: PGDW20 | Date / Time Sampled: | 01/19/10 12:05 Workorder 1001003 |
|--------------------|---|----------------------------------|
| EPA Tag No.: | Matrix: Water | Lab Number: 1001003-06 D |
| | \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$WWW\$\$\$\$\$\$\$\$\$ | |

| Method | Parameter | Results | Units | ifier Limit | | Analyzed | Ву | Batch |
|-----------|-----------|---------|-------|-------------|---|------------|-----|---------|
| EPA 5021A | Ethane | 10.9 | ug/L | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | 172 | ug/L | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

| Station ID: PGDW2 | 2 | | Date / Tim | e Sampled: 01/1 | 8/10 13:45 | Workorder 1001003 |
|-------------------|---|---|------------|-------------------------------------|--|------------------------|
| EPA Tag No.: | | | Matrix: ♡ | Vater | l a | b Number: 1001003-07 D |
| LIA 149 NO. | | , alto, alto, alto, alto, alto, alto, alto, | muci ix. | The time the time the time the time | e de | DITUMBUT. TOUTION OF D |

| Method | Parameter | Results | Units | Qual- ifier | Limit Limit | Dilutio Factor | - | Ву | Batch |
|-----------|-----------|---------|-------|----------------|-------------|-------------------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | j | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | J | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | J | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

| Station ID: PGDW23 | Date / Tir | me Sampled: 01/18/ | 10 10:55 w | orkorder 1001003 |
|--------------------|------------|--------------------|-------------------|--------------------|
| EPA Tag No.: | Matrix: | Water | Lab Nui | mber: 1001003-08 D |

| | | | | | Report | Dilutio | | | |
|-----------|-----------|---------|-------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 5021A | Ethane | < 10.0 | ug/L | J | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | 149 | ug/L | J | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | J | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

| and the real rest and the rest and and all the rest and | 20 July 1801 1801 1801 1801 1801 1801 | with the day do do soon the son | AGE, AGE, AGE, ARE, ARE, ARE AGE, AGE, | All the state of t | . 1861, 1881, 1881, 1881, 1881, 1861, 1861, 1881 | All the star of the star of the star of the | AGE, ISSUE ARE ARE ARE ARE TO ARE ARE |
|---|---------------------------------------|---------------------------------|--|--|--|---|---------------------------------------|
| Station ID: PGDW25 | | ***** | Date / Time S | Sampled: 01/1 | 9/10 13:50 | Workorder | 1001003 |
| | | 00000000 | | | ******* | | |
| EPA Tag No.: | | 00000000 | Matrix: Wat | ter | Lab | Number: 100 |)1003-09 D |
| | | | | | and the state of the state of the state of | | AN AN AN AN AN AN AN AN AN |

| Method | Parameter | Results | Units | Qual- ifier | Limit | Factor | - | Ву | Batch |
|-----------|-----------|---------|-------|----------------|-------|--------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

| Station ID: PGDW30 | Da | te / Time Sampled: 01/18/1 | 0 14:40 W orkorder 1001003 |
|--------------------|-----|----------------------------|-----------------------------------|
| EPA Tag No.: | Mat | trix: Water | Lab Number: 1001003-10 D |

| Method | Parameter | Result | s Units | Quai- ifier | Limit | Factor | | Ву | Batch |
|-----------|-----------|--------|---------|----------------|-------|--------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | J | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | 808 | ug/L | J | 25.0 | 5 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | J | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 42 of 291

Print Date: 09-Jun-2011 Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Headspace Analysis by 5021A GC/FID

Station ID: PGDW32 Date / Time Sampled: 01/20/10 13:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-11 D

| Method | Parameter | Results | Units | Qual- Report ifier Limit | Factor | n Analyzed | Ву | Batch |
|-----------|-----------|---------|-------|-----------------------------|--------|---------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | 36.3 | ug/L | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

Station ID: PGDW39 Date / Time Sampled: 01/19/10 10:25 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-12 D

| Method | Parameter | Results | Units | Qual- Report ifier Limit | Factor | n Analyzed | Ву | Batch |
|-----------|-----------|---------|-------|-----------------------------|--------|---------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

Station ID: PGDW40 Date / Time Sampled: 01/21/10 12:40 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-13 D

| | | | | Qual- Report | Diluti | on | | |
|-----------|-----------|---------|-------|--------------|--------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | 98.9 | ug/L | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

Station ID: PGDW41 Date / Time Sampled: 01/21/10 15:58 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-14 D

| Method | Parameter | Results | Units | Qual- ifier | Limit | Factor | - | Ву | Batch |
|-----------|-----------|---------|-------|----------------|-------|--------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

Station ID: PGDW42

Date / Time Sampled: 01/19/10 11:00

Workorder 1001003

EPA Tag No.:

Matrix: Water

Lab Number: 1001003-15 D

| Method | Parameter | Results | Units | Qual- Report ifier Limit | Dilution Factor | n Analyzed | Ву | Batch |
|-----------|-----------|---------|-------|-----------------------------|--------------------|---------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | 60.0 | ug/L | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 43 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Headspace Analysis by 5021A GC/FID

| Station ID: PGDW43 EPA Tag No.: | Date / T Matrix: | 1/21/10 13:5 | | korder 1001003 er: 1001003-16 [| |
|---------------------------------|---------------------|--------------|---------------|------------------------------------|------|
| | | Oual Re | port Dilution | | 1066 |

| Method | Parameter | Results | s Units | Quai- ' ifier | Limit | Factor | Analyzed | Ву | Batch |
|-----------|-----------|---------|---------|------------------|-------|--------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | | 10.0 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | | 5.00 | 1 | 01/25/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | | 15.0 | 1 | 01/25/2010 | VCM | 1000026 |

 Station ID:
 PGDW44
 Date / Time Sampled:
 01/18/10 12:15
 Workorder
 1001003

 EPA Tag No.:
 Matrix:
 Water
 Lab Number:
 1001003-17 D

| | | | | Qual- | Report | Dilutio | n | | |
|-----------|-----------|---------|-------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 5021A | Ethane | < 10.0 | ug/L | J | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | j | 5.00 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | J | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

Station ID: PGDW45 Date / Time Sampled: 01/18/10 13:10 Workorder 1001003

EPA Tag No.: Water Lab Number: 1001003-18 D

| | | | | Qual- | Kehoit | Dilut | ion | | |
|-----------|-----------|---------|-------|-------|--------|-------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Fact | or Analyzed | Ву | Batch |
| EPA 5021A | Ethane | < 10.0 | ug/L | J | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | J | 5.00 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | J | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

 Station ID:
 PGDW46
 Date / Time Sampled:
 01/20/10 10:20
 Workorder
 1001003

 EPA Tag No.:
 Matrix:
 Water
 Lab Number:
 1001003-19 D

| | | | | Qual- R | eport | Dilution | | | |
|-----------|-----------|---------|-------|---------|-------|----------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier L | imit | Factor | Analyzed | Ву | Batch |
| EPA 5021A | Ethane | < 10.0 | ug/L | | 10.0 | 1 (| 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | | 5.00 | 1 (| 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | | 15.0 | 1 (| 01/26/2010 | VCM | 1000026 |

 Station ID:
 PGDW47
 Date / Time Sampled:
 01/19/10 11:55
 Workorder
 1001003

 EPA Tag No.:
 Matrix:
 Water
 Lab Number:
 1001003-20 D

| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
|-----------|-----------|---------|-------|-------------|-------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | 5.00 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 44 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Headspace Analysis by 5021A GC/FID

| Station ID: PGDV | V48 | | Date / Time Sa | | korder 1001003 |
|------------------|-----|------------|----------------|----------|------------------|
| EPA Tag No.: | | 0.00000000 | Matrix: Water | Lab Numb | er: 1001003-21 D |

| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
|-----------|-----------|---------|-------|-------------|-------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | 5.00 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

 Station ID:
 PGDW49
 Date / Time Sampled:
 01/22/10 09:30
 Workorder
 1001003

 EPA Tag No.:
 Matrix:
 Water
 Lab Number:
 1001003-22 D

| | | | | Qual- Report | Dilu | tion | | |
|-----------|-----------|---------|-------|--------------|------|--------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Fac | tor Analyzed | Ву | Batch |
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | 5.00 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

Station ID: PGMW01 Date / Time Sampled: 01/21/10 10:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-24 D

| Method | Parameter | Results | Units | ifier Limit | Facto | | Ву | Batch |
|-----------|-----------|---------|-------|-------------|-------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | 474 | ug/L | 5.00 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

Dilution

Station ID: PGMW01D Date / Time Sampled: 01/21/10 10:50 Workorder 1001003

EPA Tag No.: Water Lab Number: 1001003-25 D

| Qual- R | | | | Report | Dilution | Dilution | | | |
|-----------|-----------|---------|-------|--------|----------|----------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 5021A | Ethane | < 10.0 | ug/L | | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | 708 | ug/L | | 10.0 | 2 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

 Station ID:
 PGMW02
 Date / Time Sampled:
 01/21/10 15:15
 Workorder
 1001003

 EPA Tag No.:
 Matrix:
 Water
 Lab Number:
 1001003-26 D

| Method | Parameter | Results | Units | Qual- Report ifier Limit | Dilution Factor Analyzed | By Batch |
|-----------|-----------|---------|-------|-----------------------------|-----------------------------|-------------|
| EPA 5021A | Ethane | 299 | ug/L | 10.0 | 1 01/26/2010 | VCM 1000026 |
| EPA 5021A | Methane | 361 | ug/L | 5.00 | 1 01/26/2010 | VCM 1000026 |
| EPA 5021A | Propane | 43.8 | ug/L | 15.0 | 1 01/26/2010 | VCM 1000026 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 45 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Headspace Analysis by 5021A GC/FID

| Station ID: PGMW03 | | Date / Time | Sampled: 01/21/10 1 | 4:30 W orkord | der 1001003 |
|--------------------|---|-------------|---------------------|----------------------|--------------|
| EPA Tag No.: | } | Matrix: W | ater | Lab Number: | 1001003-27 D |

| Method | Parameter | Result | s Units | Qual- ifier | Limit | Factor | n Analyzed | Ву | Batch |
|-----------|-----------|--------|---------|----------------|-------|--------|---------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | 528 | ug/L | | 10.0 | 2 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

Station ID: PGPW01 Date / Time Sampled: 01/20/10 08:30 Workorder 1001003

EPA Tag No.: Water Lab Number: 1001003-28 D

| Method | Parameter | Results | Units | Qual- Report ifier Limit | Facto | n r Analyzed | Ву | Batch |
|-----------|-----------|---------|-------|-----------------------------|-------|-----------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | 5.00 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

Station ID: PGPW02 Date / Time Sampled: 01/20/10 08:35 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-29 D

| Method | Parameter | Results | Units | ifier Limit | Facto | | Ву | Batch |
|-----------|-----------|---------|-------|-------------|-------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | 5.00 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

Dilution

Station ID: PGSW01 Date / Time Sampled: 01/18/10 17:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-39 D

| Method | Parameter | Results | Units | Qual- ifier | Limit | Factor | = | Ву | Batch |
|-----------|-----------|---------|-------|----------------|-------|--------|------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | J | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | J | 5.00 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | J | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

Station ID: PGSW02 Date / Time Sampled: 01/19/10 13:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-40 D

| Method | Parameter | Result | s Units | Qual- ifier | Report Limit | Dilution Factor | n Analyzed | Ву | Batch |
|-----------|-----------|--------|---------|----------------|-----------------|--------------------|---------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | | 10.0 | 1 (| 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | | 5.00 | 1 (| 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | | 15.0 | 1 (| 01/26/2010 | VCM | 1000026 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 46 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Headspace Analysis by 5021A GC/FID

Station ID: PGSW02D Date / Time Sampled: 01/19/10 13:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-41 D

| Method | Parameter | Results | Units | Qual- Rep ifier Lin | | ution ictor Analyzed | Ву | Batch |
|-----------|-----------|---------|-------|------------------------|------|-------------------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | 10 | .0 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | 5. | 00 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15 | .0 1 | 01/26/2010 | VCM | 1000026 |

Station ID: PGSW03 Date / Time Sampled: 01/20/10 15:35 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-42 D

| | | | | Qual- Report | Diluti | on | | |
|-----------|-----------|---------|-------|--------------|--------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | 5.00 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

Station ID: PGSW04 Date / Time Sampled: 01/20/10 16:20 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-43 D

| | | | | Qual- Kehoir | Diluti | on | | | |
|-----------|-----------|---------|-------|--------------|--------|------------|-----|---------|--|
| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch | |
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/26/2010 | VCM | 1000026 | |
| EPA 5021A | Methane | < 5.00 | ug/L | 5.00 | 1 | 01/26/2010 | VCM | 1000026 | |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/26/2010 | VCM | 1000026 | |

Station ID: PGSW05 Date / Time Sampled: 01/22/10 09:15 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-44 D

| Method | Parameter | Results | Units | Qual- Report ifier Limit | Fact | ion or Analyzed | Ву | Batch |
|-----------|-----------|---------|-------|-----------------------------|------|--------------------|-----|---------|
| EPA 5021A | Ethane | < 10.0 | ug/L | 10.0 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Methane | < 5.00 | ug/L | 5.00 | 1 | 01/26/2010 | VCM | 1000026 |
| EPA 5021A | Propane | < 15.0 | ug/L | 15.0 | 1 | 01/26/2010 | VCM | 1000026 |

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGDW04 Date / Time Sampled: 01/20/10 10:20 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-02 C

| | | | | Qual- Report | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Fact | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 23.3 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.9 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 532 | mg/L | 5.0 | 5 | 01/27/2010 | SLK | 1000012 |

Station I D: PGDW05 Date / Time Sampled: 01/18/10 11:50 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-03 C

| | | | | Qual- Report | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 16.5 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.9 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 287 | mg/L | 2.0 | 2 | 01/27/2010 | SLK | 1000012 |

Station ID: PGDW05D Date / Time Sampled: 01/18/10 11:50 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-04 C

| | | | | Qual- Keport | וסוזטווע | 1 | | |
|-----------|----------------|---------|-------|--------------|----------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Factor | Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 16.9 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.0 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 287 | mg/L | 2.0 | 2 | 01/27/2010 | SLK | 1000012 |

Station ID: PGDW10 Date / Time Sampled: 01/18/10 14:30 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-05 C

| | | | | Qual- Report | Dilutio | | | |
|-----------|----------------|---------|-------|--------------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 7.5 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.9 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 293 | mg/L | 2.0 | 2 | 01/27/2010 | SLK | 1000012 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 48 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGDW20 Date / Time Sampled: 01/19/10 12:05 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-06 C

| Method | Parameter | Results | Units | ifier Limit | Facto | n r Analyzed | Ву | Batch |
|-----------|----------------|---------|-------|-------------|-------|-----------------|-----|---------|
| EPA 300.0 | Chloride | 32.6 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.8 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 1270 | mg/L | 10.0 | 10 | 01/27/2010 | SLK | 1000012 |

Station ID: PGDW22 Date / Time Sampled: 01/18/10 13:45 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-07 C

| | | | | Qual- Report | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 74.6 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | < 0.2 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | 40.7 | mg/L | 3.0 | 10 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 2780 | mg/L | 20.0 | 20 | 01/28/2010 | SLK | 1000012 |

Station ID: PGDW25 Date / Time Sampled: 01/19/10 13:50 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-09 C

| | | | | Qual- Keport | Dilut | | | |
|-----------|----------------|---------|-------|--------------|-------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Fact | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 9.5 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | < 0.2 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | 1.7 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 441 | mg/L | 5.0 | 5 | 01/27/2010 | SLK | 1000012 |

Station ID: PGDW39 Date / Time Sampled: 01/19/10 10:25 Workorder 1001002 EPA Tag No.: Matrix: Water Lab Number: 1001002-12 C

| Method | Parameter | Results | Units | Qual- ifier | Limit | Facto | r Analyzed | Bv | Batch |
|-----------|----------------|---------|-------|----------------|-------|-------|------------|-----|---------|
| EPA 300.0 | Chloride | 52.9 | mg/L | 11101 | 0.5 | 1 | 01/26/2010 | SLK | |
| EPA 300.0 | Fluoride | 0.3 | mg/L | | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 3640 | mg/L | | 20.0 | 20 | 01/28/2010 | SLK | 1000012 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 49 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGDW42 Date / Time Sampled: 01/19/10 11:00 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-13 C

| Method | Parameter | Results | Units | Qual- Report ifier Limit | Facto | on or Analyzed | Bv | Batch |
|-----------|----------------|---------|-------|-----------------------------|-------|-------------------|-----|---------|
| EPA 300.0 | Chloride | 13.2 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.0 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 311 | mg/L | 2.0 | 2 | 01/27/2010 | SLK | 1000012 |

Station ID: PGDW44 Date / Time Sampled: 01/18/10 12:15 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-14 C

| | | | | Qual- Report | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Fact | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 39.5 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.3 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 2880 | mg/L | 20.0 | 20 | 01/28/2010 | SLK | 1000012 |

Station ID: PGDW45 Date / Time Sampled: 01/18/10 13:10 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-15 C

| | | | | Qual- Report | Dilution | | | |
|-----------|----------------|---------|-------|--------------|----------|-----------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Factor | Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 14.5 | mg/L | 0.5 | 1 0 | 1/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.9 | mg/L | 0.2 | 1 0 | 1/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | 0.3 | mg/L | 0.3 | 1 0 | 1/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 0 | 1/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 213 | mg/L | 2.0 | 2 (| 1/27/2010 | SLK | 1000012 |

Station ID: PGDW47 Date / Time Sampled: 01/19/10 11:55 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-17 C

| | | | | Qual- Report | Dilution | 1 | | |
|-----------|----------------|---------|-------|--------------|----------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Factor | Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 21.6 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.5 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 330 | mg/L | 2.0 | 2 | 01/28/2010 | SLK | 1000012 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 50 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGPW01 Date / Time Sampled: 01/20/10 08:30 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-18 C

| | | | | Qual- Report | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 15.3 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.2 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 300 | mg/L | 2.0 | 2 | 01/28/2010 | SLK | 1000012 |

Station ID: PGPW02 Date / Time Sampled: 01/20/10 08:35 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-19 C

| | | | | Qual- Report | Diluti | ion | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 8.5 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.5 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 847 | mg/L | 5.0 | 5 | 01/28/2010 | SLK | 1000012 |

Station ID: PGSW01 Date / Time Sampled: 01/18/10 17:00 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-20 C

| | | | | Qual- Report | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 38.8 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.5 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 1200 | mg/L | 10.0 | 10 | 01/28/2010 | SLK | 1000012 |

Station ID: PGSW02 Date / Time Sampled: 01/19/10 13:00 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-21 C

| | | | | Qual- Report | Dilutio | on | | |
|-----------|----------------|---------|-------|--------------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 36.1 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.3 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | 0.7 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 1360 | mg/L | 10.0 | 10 | 01/28/2010 | SLK | 1000012 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 51 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGDW03 Date / Time Sampled: 01/20/10 09:40 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-01 C

| | | | | Qual- Report | Dilutio | n | | |
|-----------|----------------|---------|-------|--------------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 20.7 | mg/L | 0.5 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.8 | mg/L | 0.2 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/26/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 570 | mg/L | 5.0 | 5 | 01/27/2010 | SLK | 1000012 |

Station ID: PGDW23 Date / Time Sampled: 01/18/10 10:55 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-08 C

| | | | | Qual- Report | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 19.7 | mg/L | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.5 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 368 | mg/L | 2.0 | 2 | 01/27/2010 | SLK | 1000012 |

Station ID: PGDW30 Date / Time Sampled: 01/18/10 14:40 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-10 C

| | | | | Qual- Keport | Diluti | ION | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Fact | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 15.5 | mg/L | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.9 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 333 | mg/L | 2.0 | 2 | 01/27/2010 | SLK | 1000012 |

Station ID: PGDW32 Date / Time Sampled: 01/20/10 13:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-11 C

| B.O. Ale a al | Dawawa ta w | D Ife | 11 | Qual- Report | Dilutio | | _ | Datab |
|---------------|----------------|---------|-------|--------------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 21.4 | mg/L | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 2.4 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 368 | mg/L | 2.0 | 2 | 01/27/2010 | SLK | 1000012 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 52 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGDW40 Date / Time Sampled: 01/21/10 12:40 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-13 C

| | | | | Quai- | Report | Dilutio | n | | |
|-----------|----------------|---------|-------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 13.1 | mg/L | | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | < 0.2 | mg/L | | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 426 | mg/L | | 5.0 | 5 | 02/11/2010 | SLK | 1000012 |

Station ID: PGDW41 Date / Time Sampled: 01/21/10 15:58 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-14 C

| | | | | Qual- Report | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Fact | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 31.4 | mg/L | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.5 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 2670 | mg/L | 20.0 | 20 | 01/28/2010 | SLK | 1000012 |

Station ID: PGDW43 Date / Time Sampled: 01/21/10 13:50 Workorder 1001003 EPA Tag No.: Matrix: Water Lab Number: 1001003-16 C

| | | | | Qual- Re | port | Dilutio | n | | |
|-----------|----------------|---------|-------|----------|------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier L | imit | Facto | r Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 38.4 | mg/L | (| 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.4 | mg/L | (| 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 2470 | mg/L | 1 | 0.0 | 10 | 01/27/2010 | SLK | 1000012 |

Station ID: PGDW46 Date / Time Sampled: 01/20/10 10:20 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-19 C

| | | | | Qual- Re | port | Dilution | 1 | | |
|-----------|----------------|---------|-------|----------|------|----------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Li | mit | Factor | Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 8.4 | mg/L | C | .5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.5 | mg/L | C | .2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | 2.3 | mg/L | C | .3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | (| 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 126 | mg/L | 1 | .0 | 1 | 01/27/2010 | SLK | 1000012 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 53 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGDW48 Date / Time Sampled: 01/20/10 13:25 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-21 C

| | | | | Qual- Repo | rt Diluti | on | | |
|-----------|----------------|---------|-------|------------|-----------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Lim | it Fact | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 24.1 | mg/L | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.3 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0. | 3 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0. | 3 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 1840 | mg/L | 10. | 0 10 | 01/27/2010 | SLK | 1000012 |

Station ID: PGDW49 Date / Time Sampled: 01/22/10 09:30 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-22 C

| | 5 . | D 11 | | Qual- Report | Diluti | | | 5 () |
|-----------|----------------|-------------|-------|--------------|--------|-------------|-----|--------------|
| Method | Parameter | Results | Units | ifier Limit | Facto | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 64.3 | mg/L | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.4 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | 7.7 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 3160 | mg/L | 20.0 | 20 | 01/28/2010 | SLK | 1000012 |

Station ID: PGMW01 Date / Time Sampled: 01/21/10 10:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-24 C

| | | | | Qual- Report | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Fact | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 3.5 | mg/L | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.4 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 1010 | ma/l | 10.0 | 10 | 01/28/2010 | SLK | 1000012 |

Station ID: PGMW01D Date / Time Sampled: 01/21/10 10:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-25 C

| | | | | Qual- Report | Dilutio | n | | |
|-----------|----------------|---------|-------|--------------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 3.9 | mg/L | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.6 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 1040 | mg/L | 5.0 | 5 | 01/28/2010 | SLK | 1000012 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 54 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGMW02 Date / Time Sampled: 01/21/10 15:15 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-26RE2 C

| Method | Parameter | Results | Units | Qual- Report ifier Limit | Facto | n r Analyzed | Bv | Batch |
|-----------|----------------|---------|-------|-----------------------------|-------|-----------------|-----|---------|
| EPA 300.0 | Chloride | 265 | mg/L | 2.0 | 4 | 02/02/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 0.2 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | 1.9 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 108 | mg/L | 1.0 | 1 | 01/27/2010 | SLK | 1000012 |

Station ID: PGMW03 Date / Time Sampled: 01/21/10 14:30 Workorder 1001003

EPA Tag No.: Water Lab Number: 1001003-27 C

| | | | | Qual- | Report | Dilutio | n | | |
|-----------|----------------|---------|-------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 6.4 | mg/L | | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.4 | mg/L | | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | < 0.3 | mg/L | | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 28.4 | mg/L | | 1.0 | 1 | 01/27/2010 | SLK | 1000012 |

Station ID: PGSW02D Date / Time Sampled: 01/19/10 13:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-41 C

| | | | | Qual- Keboit | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Fact | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 36.9 | mg/L | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.3 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | 0.8 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 1360 | mg/L | 10.0 | 10 | 01/28/2010 | SLK | 1000012 |

Station ID: PGSW03 Date / Time Sampled: 01/20/10 15:35 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-42 C

| | | | | Qual- Report | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Facto | r Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 36.6 | mg/L | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.3 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | 8.0 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 1380 | mg/L | 10.0 | 10 | 01/28/2010 | SLK | 1000012 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 55 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGSW04 Date / Time Sampled: 01/20/10 16:20 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-43 C

| | | | | Quai- I | Report | Diluti | on | | |
|-----------|----------------|---------|-------|---------|--------|--------|------------|-----|---------|
| Method | Parameter | Results | Units | | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 34.3 | mg/L | | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.3 | mg/L | | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | 1.0 | mg/L | | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 1330 | mg/L | | 10.0 | 10 | 01/28/2010 | SLK | 1000012 |

Station ID: PGSW05 Date / Time Sampled: 01/22/10 09:15 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-44 C

| | | | | Qual- Report | Diluti | on | | |
|-----------|----------------|---------|-------|--------------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier Limit | Fact | or Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 32.8 | mg/L | 0.5 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Fluoride | 1.3 | mg/L | 0.2 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrate as N | 1.2 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Nitrite as N | < 0.3 | mg/L | 0.3 | 1 | 01/27/2010 | SLK | 1000012 |
| EPA 300.0 | Sulfate as SO4 | 1320 | mg/L | 10.0 | 10 | 01/28/2010 | SLK | 1000012 |

Station ID: PGPP06 Date / Time Sampled: 01/22/10 10:05 Workorder 1001005

EPA Tag No.: Matrix: Water Lab Number: 1001005-05RE3 C

| | | | | Qual- | Report | Dilutio | 1 | | AV -40000 00000 -00000 00 |
|-----------|----------------|---------|-------|-------|--------|---------|------------|-----|---------------------------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 300.0 | Chloride | 203 | mg/L | | 5.0 | 10 | 02/04/2010 | SLK | 1000021 |
| EPA 300.0 | Fluoride | 3.2 | mg/L | | 2.0 | 10 | 02/04/2010 | SLK | 1000021 |
| EPA 300.0 | Nitrate as N | < 300 | mg/L | | 300 | 1000 | 02/04/2010 | SLK | 1000021 |
| EPA 300.0 | Nitrite as N | < 300 | mg/L | | 300 | 1000 | 02/04/2010 | SLK | 1000021 |
| EPA 300.0 | Sulfate as SO4 | < 10.0 | mg/L | | 10.0 | 10 | 02/04/2010 | SLK | 1000021 |

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGDW04

Date / Time Sampled: 01/20/10 10:20

Workorder 1001002

EPA Tag No.:

Matrix: Water

Lab Number: 1001002-02 C

Qual-Report Dilution

Method Parameter

Results Units ifier Limit Factor Analyzed By Batch

 Method
 Parameter
 Results
 Units
 lifier
 Limit
 Factor
 Analyzed
 By
 Batch

 EPA 310.1
 Alkalinity
 38.3
 mg/L
 5.00
 1
 02/01/2010
 SLK
 1000013

Station ID: PGDW05 Date / Time Sampled: 01/18/10 11:50 Workorder 1001002

EPA Tag No.: Water Lab Number: 1001002-03 C

Qual- Report Dilution Limit Factor Analyzed Method **Parameter** Results Units Batch ifier EPA 310.1 Alkalinity 88.4 1000013 5.00 mg/L 02/01/2010

Station ID: PGDW05D Date / Time Sampled: 01/18/10 11:50 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-04 C

Report Dilution Qual-Limit Method **Parameter** Results Units **Batch** ifier Factor Analyzed EPA 310.1 **Alkalinity** 89.1 5.00 SLK 1000013 mg/L 02/01/2010

Station ID: PGDW10 Date / Time Sampled: 01/18/10 14:30 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-05 C

Qual- Report Dilution Method Parameter Results Units Limit Factor Analyzed ifier Batch EPA 310.1 Alkalinity 147 5.00 1000013 mg/L 02/01/2010

Station ID: PGDW20 Date / Time Sampled: 01/19/10 12:05 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-06 C

Report Dilution Qual-Method **Parameter** Limit Results Units Factor Analyzed **Batch** ifier EPA 310.1 Alkalinity 67.9 1000013 5.00 SLK mg/L 02/01/2010

Station ID: PGDW22 Date / Time Sampled: 01/18/10 13:45 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-07 C

Report Dilution Qual-Method Limit **Parameter** Results Units Factor Analyzed Batch ifier 337 EPA 310.1 Alkalinity mg/L 5.00 SLK 1000013 02/01/2010

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 57 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGDW25 01/19/10 13:50 Workorder 1001002 Date / Time Sampled: Matrix: Water 1001002-09 C Lab Number:

EPA Tag No.: Dilution

Qual- Report Limit Method Parameter Results Units Factor Analyzed Batch ifier EPA 310.1 Alkalinity 295 5 00 1000013 mg/L 02/01/2010

01/19/10 10:25 Workorder 1001002 Station ID: PGDW39 Date / Time Sampled:

Water 1001002-12 C Matrix: Lab Number: EPA Tag No.:

Qual- Report Dilution Limit Factor Analyzed Method **Parameter** Results Units Batch ifier EPA 310.1 Alkalinity 129 1000013 5.00 mg/L 02/01/2010

Station ID: PGDW42 01/19/10 11:00 Workorder 1001002 Date / Time Sampled:

Water 1001002-13 C EPA Tag No.: Matrix: Lab Number:

Report Dilution Qual-Limit Method **Parameter** Results Units **Batch** ifier Factor Analyzed EPA 310.1 **Alkalinity** 88.5 5.00 SLK 1000013 mg/L 02/01/2010

Station ID: PGDW44 01/18/10 12:15 Workorder 1001002 Date / Time Sampled:

Matrix: Water Lab Number: 1001002-14 C EPA Tag No.:

Qual- Report Dilution Method Parameter Results Units Limit Factor Analyzed ifier Batch EPA 310.1 Alkalinity 100 5.00 1000013 mg/L 02/01/2010

Station ID: PGDW45 Date / Time Sampled: 01/18/10 13:10 Workorder 1001002

Water Lab Number: 1001002-15 C EPA Tag No.: Matrix:

Report Dilution Qual-Method **Parameter** Limit Results Units Factor Analyzed Batch ifier EPA 310.1 Alkalinity 379 1000013 5.00 SLK mg/L 02/01/2010

Station ID: PGDW47 Workorder 1001002 01/19/10 11:55 Date / Time Sampled: Matrix: Water Lab Number: 1001002-17 C EPA Tag No.:

Report Dilution Qual-Method Limit **Parameter** Results Units Factor Analyzed Batch ifier 44.1 EPA 310.1 Alkalinity mg/L 5.00 SLK 1000013 02/01/2010

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGPW01 01/20/10 08:30 Workorder 1001002 Date / Time Sampled: Matrix: Water Lab Number: 1001002-18 C EPA Tag No.: Qual- Report Dilution Limit Method Parameter Results Units Factor Analyzed Batch ifier EPA 310.1 Alkalinity 74.7 5 00 1000013 mg/L 02/01/2010

Station ID: PGPW02 Date / Time Sampled: 01/20/10 08:35 Workorder 1001002

EPA Tag No.: Water Lab Number: 1001002-19 C

Qual- Report Dilution Limit Factor Analyzed Method **Parameter** Results Units Batch ifier EPA 310.1 Alkalinity 82.8 1000013 5.00 mg/L 02/01/2010

Station ID: PGSW01 Date / Time Sampled: 01/18/10 17:00 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-20 C

Report Dilution Qual-Limit Method **Parameter** Results Units **Batch** ifier Factor Analyzed EPA 310.1 **Alkalinity** 290 5.00 SLK 1000013 mg/L 02/01/2010

Station ID: PGSW02 Date / Time Sampled: 01/19/10 13:00 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-21 C

Qual- Report Dilution Method Parameter Results Units Limit Factor Analyzed ifier Batch EPA 310.1 Alkalinity 300 5.00 1000013 mg/L 02/01/2010

Station ID: PGDW03 Date / Time Sampled: 01/20/10 09:40 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-01 C

Qual- Report Dilution Method **Parameter** Limit Results Units Factor Analyzed Batch ifier EPA 310.1 Alkalinity 28.0 1000013 5.00 SLK mg/L 02/01/2010

 Station ID:
 PGDW23
 Date / Time Sampled:
 01/18/10 10:55
 Workorder
 1001003

 EPA Tag No.:
 Matrix:
 Water
 Lab Number:
 1001003-08 C

Report Dilution Qual-Method Limit Factor Analyzed **Parameter** Results Units Batch ifier 54.2 EPA 310.1 Alkalinity mg/L 5.00 SLK 1000013 02/01/2010

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 59 of 291

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGDW30 01/18/10 14:40 Workorder 1001003 Date / Time Sampled: Matrix: Water 1001003-10 C Lab Number: EPA Tag No.:

Qual- Report Dilution Limit Method Parameter Results Units Factor Analyzed Batch ifier EPA 310.1 Alkalinity 94.0 5.00 1000013 mg/L 02/01/2010

01/20/10 13:00 Workorder 1001003 Station ID: PGDW32 Date / Time Sampled:

Water 1001003-11 C Matrix: Lab Number: EPA Tag No.:

Qual- Report Dilution Limit Factor Analyzed Method **Parameter** Results Units Batch ifier EPA 310.1 Alkalinity 31.5 1000013 5.00 mg/L 02/01/2010

Station ID: PGDW40 01/21/10 12:40 Workorder 1001003 Date / Time Sampled:

Water 1001003-13 C EPA Tag No.: Matrix: Lab Number:

Report Dilution Qual-Limit Method **Parameter** Results Units **Batch** ifier Factor Analyzed EPA 310.1 **Alkalinity** 86.3 5.00 SLK 1000013 mg/L 02/01/2010

Station ID: PGDW41 01/21/10 15:58 1001003 Date / Time Sampled: Workorder

Matrix: Water Lab Number: 1001003-14 C EPA Tag No.:

Qual- Report Dilution Method Parameter Results Units Limit Factor Analyzed ifier Batch EPA 310.1 Alkalinity 108 5.00 1000013 mg/L 02/01/2010

Station ID: PGDW43 Date / Time Sampled: 01/21/10 13:50 Workorder 1001003 Matrix: Water Lab Number: 1001003-16 C EPA Tag No.:

Report Dilution Qual-Method **Parameter** Limit Results Units Factor Analyzed Batch ifier EPA 310.1 **Alkalinity** 113 1000013 5.00 SLK mg/L 02/01/2010

Station ID: PGDW46 Workorder 1001003 01/20/10 10:20 Date / Time Sampled: Matrix: Water Lab Number: 1001003-19 C EPA Tag No.:

Report Dilution Qual-Method Limit **Parameter** Results Units Factor Analyzed Batch ifier 329 EPA 310.1 Alkalinity mg/L 5.00 SLK 1000013 02/01/2010

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

Station ID: PGDW48 01/20/10 13:25 Workorder 1001003 Date / Time Sampled: Matrix: Water 1001003-21 C Lab Number: EPA Tag No.: Qual- Report Dilution Limit Method Parameter Results Units Factor Analyzed Batch ifier

MethodParameterResultsUnitsIfierLimitFactorAnalyzedByBatchEPA 310.1Alkalinity89.8mg/L5.00102/01/2010SLK1000013

Station ID: PGDW49

Date / Time Sampled: 01/22/10 09:30 Workorder 1001003

EPA Tag No.: Water Lab Number: 1001003-22 C

Qual- Report Dilution Limit Factor Analyzed Method **Parameter** Results Units Batch ifier EPA 310.1 Alkalinity 243 1000013 5.00 mg/L 02/01/2010

Station ID: PGMW01 Date / Time Sampled: 01/21/10 10:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-24 C

Report Dilution Qual-Limit Method **Parameter** Results Units **Batch** ifier Factor Analyzed EPA 310.1 **Alkalinity** 440 5.00 SLK 1000013 mg/L 02/01/2010

Station ID: PGMW01D Date / Time Sampled: 01/21/10 10:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-25 C

Qual- Report Dilution Method Parameter Results Units Limit Factor Analyzed ifier Batch EPA 310.1 Alkalinity 438 5.00 1000013 mg/L 02/01/2010

Station ID: PGMW02 Date / Time Sampled: 01/21/10 15:15 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-26 C

Report Dilution Qual-Method **Parameter** Limit Results Units Factor Analyzed Batch ifier EPA 310.1 Alkalinity 2750 1000013 50.0 SLK mg/L 02/01/2010

Station ID: PGMW03 Date / Time Sampled: 01/21/10 14:30 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-27 C

Report Dilution Qual-Method Limit **Parameter** Results Units Factor Analyzed Batch ifier 536 EPA 310.1 Alkalinity mg/L 5.00 SLK 1000013 02/01/2010

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 61 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Inorganic Chemistry Parameters

1001002,1001003,1001005 FINAL 06 09 11 1029

Station ID: PGSW02D Date / Time Sampled: 01/19/10 13:00 Workorder 1001003

Matrix: Water Lab Number: 1001003-41 C EPA Tag No.:

Qual- Report Dilution Limit Method Parameter Results Units Factor Analyzed Batch ifier 5.00 EPA 310.1 Alkalinity 300 1000013 mg/L 02/01/2010

01/20/10 15:35 Workorder 1001003 Station ID: PGSW03 Date / Time Sampled:

Water 1001003-42 C Matrix: Lab Number: EPA Tag No.:

Qual- Report Dilution Limit Factor Analyzed Method **Parameter** Results Units Batch ifier EPA 310.1 Alkalinity 301 1000013 5.00 02/01/2010 mg/L

Station ID: PGSW04 01/20/10 16:20 Workorder 1001003 Date / Time Sampled:

Water 1001003-43 C EPA Tag No.: Matrix: Lab Number:

Report Dilution Qual-Method Limit **Parameter** Results Units **Batch** ifier Factor Analyzed EPA 310.1 **Alkalinity** 302 5.00 SLK 1000013 mg/L 02/01/2010

Station ID: PGSW05 01/22/10 09:15 1001003 Workorder Date / Time Sampled:

Matrix: Water Lab Number: 1001003-44 C EPA Tag No.:

Dilution Report Qual-Method Parameter Results Units Limit Factor Analyzed ifier Batch EPA 310.1 Alkalinity 305 5.00 1000013 mg/L 02/01/2010

Station ID: PGPP06 Date / Time Sampled: 01/22/10 10:05 Workorder 1001005 Water 1001005-05 C

Lab Number: EPA Tag No.: Matrix: Report Dilution Qual-

Method **Parameter** Results Units Limit Factor Analyzed **Batch** ifier EPA 310.1 Alkalinity 653 1000020 500 SLK mg/L 02/04/2010

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 63 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW03 Date / Time Sampled: 01/20/10 09:40 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-01 B

| ~ W & W W W W W | an amin'ny amin | | 40, 40, 40, 40, 40 | Qual- | Report | Dilution | l | ART 180 - 180 - 18 | 97 AND AND AND 24 |
|-----------------|---|---------|--------------------|-------|--------|----------|------------|--------------------|-------------------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 (| 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 (| 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 (| 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 (| 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 (| 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 (| 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 (| 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 (| 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 (| 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 (| 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 (| 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | 0.120 | ug/L | | 0.100 | 1 (| 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | 1.64 | ug/L | J | 0.300 | | 01/29/2010 | | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | | 01/29/2010 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | VCM | |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | · · | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | | 01/29/2010 | | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | VCM | |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | | < 0.100 | | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | 1 | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (a) pyrene Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | | 01/29/2010 | | 1000059 |
| | | | ug/L | | 0.100 | | 01/29/2010 | | |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | | | | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.180 | ug/L | J | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 (| 01/29/2010 | VCM | 1000059 |
| | | | | | | | | | 0011 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 64 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

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|---------------|------------------------------|------------|--------------|---|-------|---|------------|-----|---------|--|--|
| Semivolatile | Organic Compounds by EPA Met | thod 8270D | | | | | | | | | |
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Di-n-octyl phthalate | 0.140 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | PhenoI | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | VCM | 1000051 | | |
| Surrogate: 2- | Fluorobiphenyl | 82.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 | | |
| Surrogate: 2- | Fluorobiphenyl | 78.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 | | |
| Surrogate: 2- | Fluorophenol | 88.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 | | |
| Surrogate: 2- | Fluorophenol | 82.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 | | |
| Surrogate: Ni | itrobenzene-d5 | 104 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 | | |
| Surrogate: Ni | itrobenzene-d5 | 70.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 | | |
| Surrogate: Pl | henol-d6 | 94.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 | | |
| Surrogate: Pl | henol-d6 | 78.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 | | |
| Surrogate: Te | erphenyl-dl4 | 86.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 | | |
| Surrogate: Te | erphenyl-dl4 | 90.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 | | |
| | | | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW04 Date / Time Sampled: 01/20/10 10:20 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-02 B

| | | | | Qual- | Report | Diluti | ion | | |
|------------|-----------------------------|---------|--------------|-------|--------|--------|-------------|--------|---------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Acenaphthy lene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.370 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/∟ ug/L | | 0.100 | 1 | 01/29/2010 | | 1000059 |
| LI A 0210D | DIDONE (4,11) and nation | - 0.100 | ug/L | | 0.100 | , | 0 112012010 | V OIVI | 1000000 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 66 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| | | | | | | | • | | , thuly old | | | |
|--------------|---|---------|--------------|---|-------|---|---|-----|-------------|--|--|--|
| Semivolatile | emivolatile Organic Compounds by EPA Method 8270D | | | | | | | | | | | |
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Phenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 | | | |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | | 1000051 | | | |
| Surrogate: 2 | 2-Fluorobiphenyl | 86.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 | | | |
| Surrogate: 2 | 2-Fluorobiphenyl | 82.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 | | | |
| Surrogate: 2 | 2-Fluorophenol | 90.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 | | | |
| Surrogate: 2 | 2-Fluorophenol | 84.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 | | | |
| Surrogate: I | Nitrobenzene-d5 | 108 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 | | | |
| Surrogate: I | Nitrobenzene-d5 | 74.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 | | | |
| Surrogate: I | Phenol-d6 | 106 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 | | | |
| Surrogate: I | Phenol-d6 | 84.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 | | | |
| Surrogate: | Terphenyl-dl4 | 88.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 | | | |
| - | Terphenyl-dl4 | 94.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 | | | |
| ŭ | • | | | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW05 Date / Time Sampled: 01/18/10 11:50 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-03 B

| | | | | Qual- | Report | Diluti | ion | | |
|-----------|-----------------------------|---------|--------------|-------|--------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Fact | or Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | 1.09 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | j | 0.250 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | | | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | .l | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | 1 | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | | ı | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | ı | 0.100 | | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 1.80 | ug/L | ı | 0.100 | 1 | | | 1000059 |
| | | | ug/L | | | 1 | 01/29/2010 | | |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 68 of 291

Amended Report - Amendment 2

Print Date: 09-Jun-2011

Certificate of Analysis

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| Semivolatile Org | janic Compounds | by EPA | Method | 8270D |
|------------------|-----------------|--------|--------|-------|
|------------------|-----------------|--------|--------|-------|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | 0.140 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Squalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 82.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 80.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 82.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 78.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 94.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 70.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 90.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | 74.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: Te | erphenyl-dl4 | 86.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: Te | erphenyl-dl4 | 94.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW05D Date / Time Sampled: 01/18/10 11:50 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-04 B

| ~~~~~~~ | | | | Qual- | Report | Dilution | | |
|------------|-----------------------------|---------|--------------|-------|--------|---------------|-----------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyz | ed By | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | J | 0.200 | 1 01/29/20 | 10 VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | 10 VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | 10 VCM | 1000059 |
| EPA 8270D | 1,3-Dichtorobenzene | < 0.100 | ug/L | j | 0.100 | 1 01/29/20 | 10 VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | 1.10 | ug/L | J | 0.200 | 1 01/29/20 | 10 VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | 10 VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | 10 VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | 10 VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | 10 VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | 10 VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/29/20 | 10 VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | 10 VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | J | 0.250 | 1 01/29/20 | 10 VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | 0.560 | ug/L | J | 0.300 | 1 01/29/20 | 10 VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | 10 VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 01/29/20 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | j | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 01/29/20 | | |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | j | 0.100 | 1 01/29/20 | | |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | J | 0.500 | 1 01/29/20 | | |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | j | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | j | 0.200 | 1 01/29/20 | | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | j | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | j | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 2.12 | ug/L | J | 0.200 | 2 01/29/20 | | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L ug/L | j | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L ug/L | j | 0.100 | 1 01/29/20 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L ug/L | J | 0.100 | 1 01/29/20 | | 1000059 |
| LI A 0210D | Dibenz (a,ii) antinacene | · 0.100 | ug/L | v | 0.100 | 1 01/23/20 | 10 V CIVI | 1000003 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 70 of 291

Amended Report - Amendment 2

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| Semivolatile Organic Compounds by EPA Method 8270D | | | | | | | | | |
|--|---------------------------|---------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | 0.180 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorobiphenyl | 84.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorobiphenyl | 82.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: 2- | -Fluorophenol | 84.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorophenol | 80.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 98.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 68.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 90.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | 64.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: T | erphenyl-dl4 | 84.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: T | erphenyl-dl4 | 92.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW10 Date / Time Sampled: 01/18/10 14:30 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-05 B

| | | | | Qual- | Report | Dilution | **** | 10007 |
|-----------|-----------------------------|----------|--------------|-------|--------|-----------------|--------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | J | 0.200 | 1 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | J | 0.200 | 1 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | J | 0.250 | 1 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | 1.84 | ug/L | J | 0.600 | 2 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | J | 0.500 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | VCM | |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 01/29/2010 | | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.160 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | | J | 0.100 | 1 01/29/2010 | | 1000059 |
| LFA 0210D | Dibenz (a,ii) anuliacelle | ~ U. 1UU | ug/L | J | 0.100 | 1 01/28/2010 | v Civi | 100003 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 72 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| Semivolatile | Organic | Compounds | by E | EPΑ | Method | 8270D |
|--------------|---------|-----------|------|-----|--------|-------|
| | | | | | | |

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | 0.140 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 84.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 82.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 88.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 84.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 114 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 80.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 98.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | 84.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: To | | 84.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: To | • | 84.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| | | 22 /0 | LIIII 00-100 | | | • | 5 , | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW20 01/19/10 12:05 1001002 Date / Time Sampled: Workorder Matrix: Water Lab Number: 1001002-06 B EPA Tag No.:

| | | | | Qual- | Report | Dilution | **** | 10007 |
|-----------|-----------------------------|----------|--------------|-------|--------|-----------------|--------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | J | 0.200 | 1 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | j | 0.200 | 1 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | J | 0.250 | 1 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | 0.630 | ug/L | J | 0.300 | 1 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | J | 0.500 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | VCM | |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 01/29/2010 | | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.150 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | | J | 0.100 | 1 01/29/2010 | | 1000059 |
| LFA 0210D | Dibenz (a,ii) antiliacene | ~ U. 1UU | ug/L | J | 0.100 | 1 01/28/2010 | v Civi | 100003 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 74 of 291

Print Date: 09-Jun-2011 Amended Report - Amendment 2

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
|---------------|---------------------------|--------------|---------------|---|-------|---|-----------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 76.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 72.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 82.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 78.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 102 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 76.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: Pi | henol-d6 | 96.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: Pi | | 80.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: Te | | 86.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: Te | , , | 94.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| | k3 ; | . | Little 00 100 | | | • | · · · - · · · · | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW22 Date / Time Sampled: 01/18/10 13:45 Workorder 1001002 EPA Tag No.: Matrix: Water Lab Number: 1001002-07 B

| | | | | Qual- | Report | Dilution | | | |
|------------|-------------------------------|---------|-------|-------|--------|----------|-------------|--------|---------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | J | 0.250 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | j | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthy lene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.150 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| 2111 02100 | Sister (4,11) and rate of the | - 0.100 | ug/L | J | 0.100 | ' | 0 1/20/2010 | V CIVI | 1000000 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 76 of 291

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| Semivolatile Organi | : Compounds | by EPA | Method | 8270D |
|---------------------|-------------|--------|--------|-------|
|---------------------|-------------|--------|--------|-------|

| | • • | | | | | | | | |
|---------------|---------------------------|---------|---------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | j | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 78.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 76.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 88.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 86.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 124 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 86.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: Pi | henol-d6 | 98.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: Pi | henol-d6 | 66.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: Te | | 66.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: Te | , , | 74.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| | | | Lillie oo 100 | | | - | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW23 Date / Time Sampled: 01/18/10 10:55 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-08 B

| | | > | | Qual- | Report | Dilution | | | | |
|-----------|---|---------|-------|-------|--------|-----------------|-----|---------|--|--|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch | | |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | j | 0.200 | 1 01/29/2010 | VCM | 1000051 | | |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | J | 0.200 | 1 01/29/2010 | VCM | 1000051 | | |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 2-ButoxyethanoI | < 0.250 | ug/L | J | 0.250 | 1 01/29/2010 | VCM | 1000051 | | |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 01/29/2010 | VCM | 1000051 | | |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | j | 0.500 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Acenaphthy lene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 01/29/2010 | VCM | 1000051 | | |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.410 | ug/L | J | 0.100 | 1 01/29/2010 | VCM | 1000059 | | |
| EPA 8270D | Butyl benzyl phthalate | 0.180 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 | | |
| EPA 8270D | Carbazole | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 | | |
| EPA 8270D | Chrysene | < 0.100 | ug/L | J | 0.100 | 1 01/29/2010 | | 1000059 | | |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | j | 0.100 | 1 01/29/2010 | | 1000059 | | |
| | · · · / · · · · · · · · · · · · · · · · | | 3 | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 78 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

1 01/29/2010 VCM 1000059

1 01/29/2010 VCM 1000051

01/29/2010 VCM 1000059

| Semivolatile | Organic Compounds by EPA M | ethod 8270E | ס | | | | | | • |
|--------------|----------------------------|-------------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | 0.120 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2 | -Fluorobiphenyl | 88.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2 | -Fluorobiphenyl | 82.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: 2 | -Fluorophenol | 88.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2 | -Fluorophenol | 84.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: N | litrobenzene-d5 | 118 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: N | litrobenzene-d5 | 84.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 106 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |

88.0 %

90.0 %

96.0 %

Limit 60-130

Limit 60-130

Limit 60-130

Surrogate: Phenol-d6

Surrogate: Terphenyl-dl4

Surrogate: Terphenyl-dl4

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW25 Date / Time Sampled: 01/19/10 13:50 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-09 B

| And the state of the state of | MINE SEEDS OFFEE, ARREST AFFEE, ARREST AFFEE, AFFEE | | or rear rear rear rear rear r | Qual- | Report | Dilution | 1 | -1007 -1000 -100 | m. 4m. 4m. 4m. 4. |
|-------------------------------|--|---------|-------------------------------|-------|--------|----------|------------|------------------|-------------------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethy1 adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-MethyInaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.310 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | 0.150 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| | • | | - | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 80 of 291

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| Semivolatile Organ | c Compounds | by EPA | Method | 8270D |
|--------------------|-------------|--------|--------|-------|
|--------------------|-------------|--------|--------|-------|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | 0.150 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 94.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 90.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 98.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 92.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 134 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 94.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 114 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | 90.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: To | erphenyl-dl4 | 92.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: To | erphenyl-dl4 | 98.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW30 Date / Time Sampled: 01/18/10 14:40 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-10 B

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilut Fact | or Analyzed | Ву | Batch |
|------------------------|--------------------------------|--------------------|--------------|----------------|-----------------|---------------|--------------------------|-----|--------------------|
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | 0.620 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | j | 0.250 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 < 0.100 | ug/L | j | 0.500 0.100 | 1 | 01/29/2010 | | 1000059 1000059 |
| EPA 8270D EPA 8270D | Acenaphthene Acenaphthylene | < 0.100 | ug/L ug/L | J | 0.100 | 1 | 01/29/2010 01/29/2010 | | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L ug/L | J | 0.200 | 1 | 01/29/2010 | | 1000053 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.230 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | 0.130 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 82 of 291

Amended Report - Amendment 2

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| Semivolatile Organ | c Compounds | by EPA | Method | 8270D |
|--------------------|-------------|--------|--------|-------|
|--------------------|-------------|--------|--------|-------|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | 0.130 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorobiphenyl | 92.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorobiphenyl | 88.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: 2- | -Fluorophenol | 98.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorophenol | 92.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 120 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 82.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 112 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | 88.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: To | erphenyl-dl4 | 90.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: To | • | 96.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| • | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW32 01/20/10 13:00 1001002 Date / Time Sampled: Workorder Matrix: Water Lab Number: 1001002-11 B EPA Tag No.:

| ~~~~~ | | | | Qual- | Report | Dilutio | on | -100 - 100 - 100 - 10 | |
|-----------|-----------------------------|---------|-------|-------|--------|---------|------------|-----------------------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.190 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | 0.140 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 84 of 291

Print Date: 09-Jun-2011 Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

1 01/29/2010 VCM 1000051

01/29/2010 VCM 1000059

| Semivolatile | Organic Compounds by EPA M | ethod 8270D |) | | | | | | , |
|---------------|----------------------------|-------------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | 0.130 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorobiphenyl | 96.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorobiphenyl | 92.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: 2- | -Fluorophenol | 98.0 % | Limit 60-120 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorophenol | 92.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 136 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 94.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 116 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | 92.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |

Limit 60-130

Limit 60-130

90.0 %

96.0 %

Surrogate: Terphenyl-dl4

Surrogate: Terphenyl-dl4

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

 Station ID:
 PGDW39
 Date / Time Sampled:
 01/19/10 10:25
 Workorder
 1001002

 EPA Tag No.:
 Matrix:
 Water
 Lab Number:
 1001002-12 B

| ~~~~ | | | | Qual- | Report | Diluti | on | The ANDERS AND AND AND | |
|-----------|-----------------------------|---------|-------|-------|--------|--------|-------------|------------------------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | or Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | j | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | J | 0.250 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | 2.10 | ug/L | J | 1.50 | 5 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.200 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | 0.160 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | | 1000059 |
| | . , | | • | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 86 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

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|----------------|--------------------------------|---------------|--------------|---|-------|---|------------|----------|-----------|
| Semivolatil | e Organic Compounds by EP | A Method 8270 |) | | | | | | |
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | 0.140 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | j | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/29/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: | 2-Fluorobiphenyl | 92.0 % | Limit 60-120 |) | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: | 2-Fluorobiphenyl | 86.0 % | Limit 60-130 |) | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: | 2-Fluorophenol | 94.0 % | Limit 60-120 |) | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: | 2-Fluorophenol | 88.0 % | Limit 60-130 |) | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: | Nitrobenzene-d5 | 128 % | Limit 60-130 |) | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: | Nitrobenzene-d5 | 86.0 % | Limit 60-130 |) | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: | Phenol-d6 | 108 % | Limit 60-130 |) | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: | Phenol-d6 | 88.0 % | Limit 60-130 |) | | 1 | 01/29/2010 | VCM | 1000059 |
| Surrogate: | Terphenyl-dl4 | 90.0 % | Limit 60-130 |) | | 1 | 01/29/2010 | VCM | 1000051 |
| Surrogate: | Terphenyl-dl4 | 96.0 % | Limit 60-130 | | | 1 | 01/29/2010 | VCM | 1000059 |
| | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW42 Date / Time Sampled: 01/19/10 11:00 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-13 B

| \$45 7 00 | |) | | Qual- | Report | Dilution | | | | | | |
|------------------|-----------------------------|---------|--------------|-------|--------|-----------------|-----|---------|--|--|--|--|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch | | | | |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | J | 0.200 | 1 01/30/2010 | VCM | 1000051 | | | | |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | J | 0.200 | 1 01/30/2010 | VCM | 1000051 | | | | |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | J | 0.250 | 1 01/30/2010 | VCM | 1000051 | | | | |
| EPA 8270D | 2-Butoxyethanol phosphate | 0.550 | ug/L | J | 0.300 | 1 01/30/2010 | VCM | 1000051 | | | | |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | j | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/∟ ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | j | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/∟ ug/L | J | 0.500 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | j | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L ug/L | J | 0.500 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | j | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | | | | | |
| EPA 8270D | Adamantane | < 0.200 | ug/L ug/L | J | 0.200 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Anthracene | < 0.100 | ug/L ug/L | J | 0.200 | 1 01/30/2010 | | 1000051 | | | | |
| EPA 8270D | Azobenzene | < 0.100 | ug/L ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | | < 0.100 | | ı | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | | | 1000059 | | | | |
| EPA 8270D | Benzo (a) pyrene | | ug/L | J | | 1 01/30/2010 | | | | | | |
| | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | j | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 2.61 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Butyl benzyl phthalate | 0.190 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | Carbazole | < 0.100 | ug/L | j | 0.100 | 1 01/30/2010 | | 1000059 | | | | |
| EPA 8270D | Chrysene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 | | | | |
| | | | | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 88 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

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|-------------------------------------|------------------|-------------|---|-------|---|------------|----------|-----------|
| Semivolatile Organic Compounds by | EPA Method 8270E |) | | | | | | |
| EPA 8270D Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Di-n-butyl phthalate | 0.120 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Hexachlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Hexachlorocyclopentadiene | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Hexachloroethane | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Naphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D PhenoI | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2-Fluorobiphenyl | 96.0 % | Limit 60-12 | 0 | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2-Fluorobiphenyl | 88.0 % | Limit 60-13 | 0 | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: 2-Fluorophenol | 90.0 % | Limit 60-12 | 0 | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2-Fluorophenol | 86.0 % | Limit 60-13 | 0 | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: Nitrobenzene-d5 | 124 % | Limit 60-13 | 0 | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: Nitrobenzene-d5 | 88.0 % | Limit 60-13 | 0 | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: Phenol-d6 | 104 % | Limit 60-13 | 0 | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: Phenol-d6 | 82.0 % | Limit 60-13 | 0 | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: Terphenyl-dl4 | 92.0 % | Limit 60-13 | 0 | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: Terphenyl-dl4 | 100 % | Limit 60-13 | 0 | | 1 | 01/30/2010 | VCM | 1000059 |
| | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

| Station ID: PGDW44 | | | """ | | Workorder 1001002 |
|--------------------|---------------------------|---------|-------|-----|----------------------|
| EPA Tag No.: | }\$\$6006666 }60666666 | Matrix: | Water | Lab | Number: 1001002-14 B |

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilutio Facto | on r Analyzed | Ву | Batch |
|-----------------|-------------------------------|---------|-----------|----------------|-----------------|------------------|------------------|------------|---------|
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | j | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | J | 0.250 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | 1.16 | ug/L | J | 0.300 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | 0.370 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | j | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.320 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | 0.130 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| 1001002,1001003 | 3,1001005 FINAL 06 09 11 1029 | Page | 90 of 291 | | | | Print Da | te : 09-Ju | ın-2011 |

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

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|--|---------------------------|---------|--------------|---|-------|---|------------|-----|--------------|--|
| Semivolatile Organic Compounds by EPA Method 8270D | | | | | | | | | | |
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Fluorene | 0.150 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Phenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/30/2010 | VCM | 1000051 | |
| Surrogate: | 2-Fluorobiphenyl | 96.0 % | Limit 60-120 |) | | 1 | 01/30/2010 | VCM | 1000051 | |
| Surrogate: | 2-Fluorobiphenyl | 90.0 % | Limit 60-130 |) | | 1 | 01/30/2010 | VCM | 1000059 | |
| Surrogate: | 2-Fluorophenol | 82.0 % | Limit 60-120 |) | | 1 | 01/30/2010 | VCM | 1000051 | |
| Surrogate: | 2-Fluorophenol | 76.0 % | Limit 60-130 |) | | 1 | 01/30/2010 | VCM | 1000059 | |
| Surrogate: | Nitrobenzene-d5 | 122 % | Limit 60-130 |) | | 1 | 01/30/2010 | VCM | 1000051 | |
| Surrogate: | Nitrobenzene-d5 | 86.0 % | Limit 60-130 |) | | 1 | 01/30/2010 | VCM | 1000059 | |
| Surrogate: | Phenol-d6 | 92.0 % | Limit 60-130 |) | | 1 | 01/30/2010 | VCM | 1000051 | |
| Surrogate: | Phenol-d6 | 80.0 % | Limit 60-130 |) | | 1 | 01/30/2010 | VCM | 1000059 | |
| Surrogate: | Terphenyl-dl4 | 92.0 % | Limit 60-130 |) | | 1 | 01/30/2010 | VCM | 1000051 | |
| Surrogate: | Terphenyl-dl4 | 98.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 | |
| | | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW45 Date / Time Sampled: 01/18/10 13:10 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-15 B

| \$ 4 4 5 0 D | | | | Qual- | Report | Diluti | ion | | |
|--------------|-----------------------------|---------|-------|-------|--------|--------|-------------|--------|---------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | J | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | j | 0.200 | 1 | 01/30/2010 | | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | J | 0.250 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.370 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| LI A 0210D | DISONE (4,11) and hacene | - 0.100 | ug/L | v | 0.100 | , | 0 1/00/2010 | V OIVI | .000003 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 92 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| 1 10,000. 1 0111 | HOME TO LOKE HO. 1001 004 | | | | | | Ocitii | ivate of | Milalysis | | |
|------------------|--|---------|--------------|---|-------|---|------------|----------|-----------|--|--|
| Semivolatile | Semivolatile Organic Compounds by EPA Method 8270D | | | | | | | | | | |
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Phenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 | | |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/30/2010 | VCM | 1000051 | | |
| Surrogate: 2- | Fluorobiphenyl | 100 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 | | |
| Surrogate: 2- | Fluorobiphenyl | 94.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 | | |
| Surrogate: 2- | Fluorophenol | 82.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 | | |
| Surrogate: 2- | Fluorophenol | 82.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 | | |
| Surrogate: N | itrobenzene-d5 | 136 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 | | |
| Surrogate: N | itrobenzene-d5 | 92.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 | | |
| Surrogate: Pi | henol-d6 | 102 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 | | |
| Surrogate: Pi | henol-d6 | 86.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 | | |
| Surrogate: Te | | 96.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 | | |
| Surrogate: Te | • | 100 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 | | |
| 3 | , , | | 00 100 | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

 Station ID:
 PGDW46
 Date / Time Sampled:
 01/20/10 10:20
 Workorder
 1001002

 EPA Tag No.:
 Matrix:
 Water
 Lab Number:
 1001002-16 B

| ~ # 0 # 0 # | | | | Qual- | Report | Dilutio | n | | |
|-------------|-----------------------------|---------|-------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | 1.83 | ug/L | J | 0.300 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.350 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 94 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Semivolatile Organic Compounds by EPA Method 8270D

Certificate of Analysis

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
|-----------|---------------------------|---------|------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |

Hexachloroethane EPA 8270D < 0.100 ug/L 0.100 1 01/30/2010 VCM 1000059 EPA 8270D Indeno (1,2,3-cd) pyrene < 0.100 ug/L 0.100 01/30/2010 VCM 1000059 01/30/2010 EPA 8270D Isophorone < 0.100 ug/L 0.100 VCM 1000059 1 EPA 8270D Naphthalene < 0.100 ug/L 0.100 1 01/30/2010 VCM 1000059 EPA 8270D Nitrobenzene < 0.100 ug/L 0.100 01/30/2010 VCM 1000059

EPA 8270D N-Nitrosodi-n-propylamine < 0.100 ug/L 0.100 1 01/30/2010 VCM 1000059 EPA 8270D Pentachlorophenol < 0.500 0.500 01/30/2010 VCM 1000059 ug/L **EPA 8270D** Phenanthrene < 0.100 ug/L 0.100 01/30/2010 VCM 1000059 ug/L **EPA 8270D** Phenol 0.100 01/30/2010 VCM 1000059 < 0.100 1 EPA 8270D Pyrene < 0.100 ug/L 0.100 1 01/30/2010 VCM 1000059

EPA 8270D Terpiniol < 0.200 ug/L 0.200 1 01/30/2010 VCM 1000051 Surrogate: 2-Fluorobiphenyl 90.0 % Limit 60-120 1 01/30/2010 VCM1000051 Surrogate: 2-Fluorobiphenyl 86.0 % 1 01/30/2010 **VCM** 1000059 Limit 60-130 Surrogate: 2-Fluorophenol 01/30/2010 **VCM** 92.0 % 1 1000051 Limit 60-120 90.0 % Surrogate: 2-Fluorophenol 1 01/30/2010 VCM1000059 Limit 60-130

132 %

Surrogate: Nitrobenzene-d5 VCM 88.0 % 1 01/30/2010 1000059 Limit 60-130 Surrogate: Phenol-d6 106 % 01/30/2010 **VCM** 1 1000051 Limit 60-130 Surrogate: Phenol-d6 88.0 % 1 01/30/2010 VCM 1000059 Limit 60-130

Limit 60-130

 Surrogate: Terphenyl-dl4
 94.0 %
 Limit 60-130
 1
 01/30/2010
 VCM
 1000051

 Surrogate: Terphenyl-dl4
 94.0 %
 Limit 60-130
 1
 01/30/2010
 VCM
 1000059

95 of 291 Print Date : 09-Jun-2011

1

01/30/2010

VCM

1000051

Surrogate: Nitrobenzene-d5

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW47 Date / Time Sampled: 01/19/10 11:55 Workorder 1001002

EPA Tag No.: Water Lab Number: 1001002-17 B

| 746762 | | | | Qual- | Report | Dilution | | 10000 |
|-----------|-----------------------------|---------|-------|-------|--------|-----------------|--------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | j | 0.200 | 1 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | J | 0.200 | 1 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | J | 0.250 | 1 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | 1.50 | ug/L | J | 1.50 | 5 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | j | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | j | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | J | 0.500 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | j | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 01/30/2010 | | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | j | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.280 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | j | 0.100 | 1 01/30/2010 | | 1000059 |
| | Discriz (a,ii) antiliacene | - 0.100 | ug/L | v | 0.100 | 1 01/00/2010 | v OIVI | 1000003 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 96 of 291

Amended Report - Amendment 2

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01/30/2010 VCM 1000059

Project: Pavillion#1 2010 LSR No: 1001-004

Surrogate: 2-Fluorobiphenyl

Surrogate: 2-Fluorobiphenyl

Surrogate: 2-Fluorophenol

Surrogate: 2-Fluorophenol

Surrogate: Nitrobenzene-d5

Surrogate: Nitrobenzene-d5

Surrogate: Phenol-d6

Surrogate: Phenol-d6

Surrogate: Terphenyl-dl4

Surrogate: Terphenyl-dl4

Semivolatile Organic Compounds by EPA Method 8270D

Certificate of Analysis

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
|-----------|---------------------------|---------|------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | j | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | j | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| | | | | | | | | | |

Limit 60-120

Limit 60-130

Limit 60-120

Limit 60-130

90.0 %

82.0 %

88.0 %

82.0 %

118 %

80.0 %

96.0 %

80.0 %

92.0 %

90.0 %

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGPW01 Date / Time Sampled: 01/20/10 08:30 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-18 B

| | \$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ | | | Qual- | Report | Dilution | 10000 | |
|-----------|--|---------|-------|-------|--------|-----------------|-------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | 0.290 | ug/L | J | 0.300 | 1 01/30/2010 | | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 01/30/2010 | | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.170 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| | , | | - | | | | | |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | V CIM | 1000059 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 98 of 291

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| Semivolatile Organ | c Compounds | by EPA | Method 8270 | D |
|--------------------|-------------|--------|-------------|---|
|--------------------|-------------|--------|-------------|---|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|---------------|---|-------|---|-------------|---------|----------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 80.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 74.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 80.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 74.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 104 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 70.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 88.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: P | | 70.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: To | | 88.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: To | • • | 88.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| ourrogato. It | or privily, will | 00.0 /0 | LIIIII 00-130 | | | , | 0 770072010 | , 0,,,, | , 500000 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGPW02 Date / Time Sampled: 01/20/10 08:35 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-19 B

| \$ 4 4 5 0 D | | | | Qual- | Report | Diluti | ion | | |
|--------------|-----------------------------|---------|--------------|-------|--------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.210 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| | (-,-) = | 500 | ~g. - | | | • | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 100 of 291

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| Semivolatile Organ | nic Compounds | by EPA Metho | od 8270D |
|--------------------|---------------|--------------|----------|
|--------------------|---------------|--------------|----------|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|--------------|---|-------|---|------------|--------|----------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 94.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 88.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 92.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 86.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: Ni | itrobenzene-d5 | 126 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: Ni | itrobenzene-d5 | 86.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: Pl | henol-d6 | 108 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: Pi | | 88.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: Te | | 96.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: Te | , , | 94.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| sarrogato. 10 | | 2 70 | Limit 00-100 | | | • | 2.,00,2010 | . 0.07 | . 300000 |

Project: Pavillion#1 2010 LSR No: 1001-004

Semivolatile Organic Compounds by EPA Method 8270D

Station I D: PGSW01 Date / Time Sampled: 01/18/10 17:00 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-20 B

| | | | | Qual- | Report | Dilut | ion | 0001 | |
|-----------|-----------------------------------|---------|--------------|--------|--------|-------|--------------------------|--------|---------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | J | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | j | 0.200 | 1 | 01/30/2010 | | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | J | 0.250 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | j | 0.500 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | j | 0.500 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/30/2010 | | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.540 | ug/L | j | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | 0.150 | ug/L | J | 0.100 | 1 | | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/∟ ug/L | J | 0.100 | 1 | 01/30/2010 01/30/2010 | | 1000059 |
| EPA 8270D | | < 0.100 | | | 0.100 | | 01/30/2010 | | 1000059 |
| | Chrysene Dibonz (a.b.) anthrasona | | ug/L | J I | | 1 | | | |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | V CIVI | 1000059 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 102 of 291

Amended Report - Amendment 2

Print Date: 09-Jun-2011

Certificate of Analysis

Project: Pavillion#1 2010 LSR No: 1001-004

Semivolatile Organic Compounds by EPA Method 8270D

Certificate of Analysis

1 01/30/2010 VCM 1000059

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
|-----------|----------------------|---------|------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | 0.150 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |

| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | 0.150 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | j | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 98.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 92.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 94.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 90.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 142 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 96.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: Pi | henol-d6 | 114 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: Pi | henol-d6 | 94.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: Te | erphenyl-dl4 | 82.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| | | | | | | | | | |

Limit 60-130

88.0 %

Surrogate: Terphenyl-dl4

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGSW02 Date / Time Sampled: 01/19/10 13:00 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-21 B

| ~ # 0 # 0 # | | | | Qual- | Report | Dilutio | n | | |
|-------------|-----------------------------|---------|------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-MethyInaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.170 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | | 01/30/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | | 01/30/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | | 01/30/2010 | | 1000059 |
| | | | J – | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 104 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Semivolatile Organic Compounds by EPA Method 8270D

Certificate of Analysis

1 01/30/2010 VCM 1000051

01/30/2010 VCM 1000059

01/30/2010 VCM 1000051

01/30/2010 VCM 1000059

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| Ocimivolatile | Organio Compounds by Er A me | tiloa oziob | | | | | | | |
|---------------|------------------------------|-------------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 94.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 90.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 96.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 92.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: Ni | trobenzene-d5 | 136 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: Ni | trobenzene-d5 | 94.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| | | | | | | | | | |

100 %

92.0 %

82.0 %

86.0 %

Limit 60-130

Limit 60-130

Limit 60-130

Limit 60-130

Surrogate: Phenol-d6

Surrogate: Phenol-d6

Surrogate: Terphenyl-dl4

Surrogate: Terphenyl-dl4

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGSW02D Date / Time Sampled: 01/19/10 13:00 Workorder 1001002

EPA Tag No.: Matrix: Water Lab Number: 1001002-22 B

| ~ # 0 # 0 # | | | | Qual- | Report | Dilutio | 1 | | |
|-------------|-----------------------------|---------|------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-MethyInaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.550 | ug/L | J | 0.500 | 5 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | | 01/30/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | | 01/30/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | | 01/30/2010 | | 1000059 |
| | | = - | J – | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 106 of 291

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| Semivolatile Organ | nic Compounds | by EPA Metho | od 8270D |
|--------------------|---------------|--------------|----------|
|--------------------|---------------|--------------|----------|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 96.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 90.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 84.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 86.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| - | itrobenzene-d5 | 134 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| - | itrobenzene-d5 | 90.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: P. | | 104 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: P | | 88.0 % | | | | 1 | 01/30/2010 | VCM | 1000059 |
| _ | | | Limit 60-130 | | | | 01/30/2010 | VCM | 1000059 |
| Surrogate: To | • • | 78.0 % | Limit 60-130 | | | 1 | | | |
| Surrogate: To | erpnenyı-a14 | 86.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station I D: PGDW40 Date / Time Sampled: 01/21/10 12:40 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-13 B

| ~~~~~~· | | | | Qual- | Report | Dilut | ion | | |
|-----------|-----------------------------|---------|--------------|-------|--------|-------|-------------|-----|--------------------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | 0.330 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/∟ ug/L | | 0.250 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/∟ ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | | 1000055 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/∟ ug/L | J | 0.300 | 1 | 01/30/2010 | | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | Ū | 0.100 | 1 | 01/30/2010 | | 1000051 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | | < 0.100 | | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.250 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| | 2-Nitrophenol | | ug/L | | | | | | |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.760 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 108 of 291

Certificate of Analysis

| Semivolatile | Organic | Compounds | by | EPA | Method | 8270D |
|--------------|---------|-----------|----|------------|--------|-------|
|--------------|---------|-----------|----|------------|--------|-------|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|---------------|---|-------|---|-----------------|-----|----------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 88.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 82.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 76.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 76.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 104 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 70.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 88.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: P | | 76.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: To | | 94.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: To | · · | 100 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| carrogato. N | | . 30 /0 | Little 00-100 | | | • | 5 // 55/ 25 / 5 | . 0 | . 500000 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW41 Date / Time Sampled: 01/21/10 15:58 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-14 B

| ~ # 0 # 0 # | | | | Qual- | Report | Dilutio | n | | |
|-------------|-----------------------------|---------|-------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-MethyInaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 7.40 | ug/L | J | 1.00 | 10 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| | · · / | | • | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 110 of 291

Certificate of Analysis

| Semivolatile | Organic | Compounds | by E | EΡΑ | Method | 8270D |
|--------------|---------|-----------|------|-----|--------|-------|
| | | | | | | |

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|--------------|---|-------|----|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | 6.00 | ug/L | J | 1.00 | 10 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 84.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 80.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 80.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 76.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 108 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 78.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 86.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | 76.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: To | erphenyl-dl4 | 84.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: To | • | 84.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| - | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW43 Date / Time Sampled: 01/21/10 13:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-16 B

| | | | | Qual- | Report | Dilution | *** | 10007 |
|-----------|-----------------------------|---------|-------|-------|--------|-----------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | 0.210 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 01/30/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.180 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 01/30/2010 | VCM | 1000059 |
| | • • • | | - | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 112 of 291

Certificate of Analysis

| Semivolatile | Organic | Compounds | by | EPA | Method | 8270D |
|--------------|---------|-----------|----|------------|--------|-------|
|--------------|---------|-----------|----|------------|--------|-------|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
|--------------|---------------------------|---------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | 0.300 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | 0.170 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2 | 2-Fluorobiphenyl | 70.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2 | 2-Fluorobiphenyl | 68.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: 2 | 2-Fluorophenol | 96.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2 | 2-Fluorophenol | 92.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: I | Nitrobenzene-d5 | 114 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: I | Nitrobenzene-d5 | 84.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: I | Phenol-d6 | 90.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: I | Phenol-d6 | 80.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: | Terphenyl-dl4 | 60.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: | Terphenyl-dl4 | 64.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| - | - - | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGDW48 Date / Time Sampled: 01/20/10 13:25 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-21 B

| | | | | Qual- | Report | Dilut | ion | 0000 | |
|-----------|-----------------------------|---------|--------------|-------|--------|-------|-------------|------|---------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/30/2010 | | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | 0.650 | ug/L | J | 0.300 | 1 | 01/30/2010 | | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/∟ ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | | | 0.100 | | 01/30/2010 | | 1000059 |
| | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | | | 1000059 |
| EPA 8270D | | | ug/L | | 0.100 | 1 | 01/30/2010 | | |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L " | | 0.200 | 1 | 01/30/2010 | | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.140 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 114 of 291

Certificate of Analysis

| Semivolatile | Organic | Compounds | by | EPA | Method | 8270D |
|--------------|---------|-----------|----|------------|--------|-------|
|--------------|---------|-----------|----|------------|--------|-------|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
|---------------|---------------------------------------|---------|---------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/30/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 86.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 80.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 86.0 % | Limit 60-120 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 82.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 114 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 82.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 88.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: P | | 76.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| Surrogate: To | | 82.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000051 |
| Surrogate: To | • • | 76.0 % | Limit 60-130 | | | 1 | 01/30/2010 | VCM | 1000059 |
| | ··· F ······· 7 · ··· · | · - · - | Little 00 100 | | | • | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

 Station ID:
 PGDW49
 Date / Time Sampled:
 01/22/10 09:30
 Workorder
 1001003

 EPA Tag No.:
 Matrix:
 Water
 Lab Number:
 1001003-22 B

| 946700 | | >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> | | Qual- | Report | Dilution | 0000 | 10000 |
|-----------|-----------------------------|--|-------|-------|--------|-----------------|-------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | 0.570 | ug/L | J | 0.300 | 1 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | VCM | |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 01/31/2010 | | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.510 | ug/L | J | 0.100 | | | 1000059 |
| | | | - | | | 001.2010 | | |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 01/31/2010 | V CIM | 1000059 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 116 of 291

Certificate of Analysis

| Semivolatile Orga | nic Compounds | by EPA | Method | 8270D |
|-------------------|---------------|--------|--------|-------|
|-------------------|---------------|--------|--------|-------|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|---------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 98.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorobiphenyl | 92.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 92.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 88.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 124 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 84.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 90.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: P | | 86.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: To | | 82.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: To | , , | 80.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| | F / ' | · - · · | Little 00 100 | | | • | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGFB01 Date / Time Sampled: 01/18/10 08:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-23 B

| | | | | Qual- | Report | Dilutio | | AMT AMT AMT A | |
|-----------|-----------------------------|---------|-------|-------|--------|---------|------------|---------------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | J | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | j | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethy1 adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | J | 0.250 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | j | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenoi | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | J | 0.250 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | j | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | j | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | J | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | j | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.580 | ug/L | j | 0.100 | 1 | | | 1000059 |
| | | | _ | | | | 01/31/2010 | | |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 118 of 291

Print Date: 09-Jun-2011

Certificate of Analysis

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| Semivolatile | Organic Compounds | by EPA | Method 8270D |
|--------------|-------------------|--------|--------------|
| EDA 0070D | D.1 | | . 0 400 |

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | j | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | j | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | j | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | J | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenoi | 0.130 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorobiphenyl | 94.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2 | -Fluorobiphenyl | 88.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: 2- | -Fluorophenol | 92.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorophenol | 86.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 142 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 98.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 100 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | 94.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: T | erphenyl-dl4 | 100 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: T | • • | 96.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Ŭ | • | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGMW01 Date / Time Sampled: 01/21/10 10:50 Workorder 1001003

EPA Tag No.: Water Lab Number: 1001003-24 B

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Diluti Facto | on or Analyzed | D., | Batch |
|------------------------|---|---------|--------------|----------------|-----------------|-----------------|--------------------------|-----------|---------|
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | | nier | 0.200 | 1 | 01/31/2010 | By VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 1.00 | ug/L ug/L | | 1.00 | 10 | 01/31/2010 | | 1000051 |
| EPA 8270D | 1,2-Dichlorobenzene | < 1.00 | ug/L ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 1.00 | ug/L ug/L | | 1.00 | 10 | 01/31/2010 | VCM | |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | - | J | 0.200 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | | < 1.00 | ug/L | J | 1.00 | 10 | 01/31/2010 | | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene 2,4,5-Trichlorophenol | | ug/L | | | | | | 1000059 |
| | , , | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 01/31/2010 | | |
| EPA 8270D | 2,4,6-Trichlorophenol | < 1.00 | ug/L | | 1.00 | 10 | | | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 2.50 | ug/L | | 2.50 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/31/2010 | | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | 1.08 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 2.50 | ug/L | | 2.50 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 5.00 | ug/L | | 5.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 1.00 | ug/L | j | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 5.00 | ug/L | | 5.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | 0.840 | ug/L | J | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | |
| EPA 8270D | Benzo (a) pyrene | < 1.00 | ug/L | J | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 1.00 | ug/L | • | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 0.650 | ug/L ug/L | J | 0.100 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 1.00 | ug/L | J | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 1.00 | ug/L ug/L | • | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | | < 1.00 | | | 1.00 | | 01/31/2010 | | 1000059 |
| EPA 8270D EPA 8270D | Chrysene Dibonz (a.b.) anthronone | | ug/L | | | 10 | | | 1000059 |
| LFA 021VD | Dibenz (a,h) anthracene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | v CIVI | 1000039 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 120 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| 1 10,000. 1 411. | 11011111 2010 LOIC 110. 1001 004 | | | | | | 001111 | ivate of | Allalysis |
|------------------|----------------------------------|-------------|--------------|---|-------|----|------------|----------|-----------|
| Semivolatile | Organic Compounds by EPA | Method 8270 | D | | | | | | |
| EPA 8270D | Dibenzofuran | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Diethyl phthalate | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 1.00 | ug/L | J | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 1.00 | ug/L | J | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 5.00 | ug/L | | 5.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | 2.20 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 5.00 | ug/L | | 5.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | 5.60 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | J | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2 | -Fluorobiphenyl | 46.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2 | -Fluorobiphenyl | 78.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: 2 | -Fluorophenol | 72.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2 | -Fluorophenol | 70.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: N | litrobenzene-d5 | 130 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: N | litrobenzene-d5 | 86.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 116 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | 86.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: T | erphenyl-dl4 | 92.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: T | erphenyl-dl4 | 84.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGMW01D Date / Time Sampled: 01/21/10 10:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-25 B

| | | | | Qual- | Report | Diluti | | | |
|-----------|---------------------------------|---------|-------|-------|--------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Fact | or Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | 1.00 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | j | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | 0.910 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 7.46 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| | 22 1001005 FINIAL 06 00 11 1000 | | • | | | | Print Da | | |

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Page 122 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Semivolatile Organic Compounds by EPA Method 8270D

Certificate of Analysis

01/31/2010 VCM 1000051

01/31/2010 VCM 1000059

01/31/2010 VCM 1000051

01/31/2010 VCM 1000059

01/31/2010 VCM 1000051

01/31/2010 VCM 1000059

1

1

1

1

1

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
|---|---|--|--|---|--|---------------------------------|--|--|---|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| | • | | 3 | | | | | | |
| EPA 8270D | Naphthalene | 2.15 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| | ' | 2.15 < 0.100 | - | J | 0.100 0.100 | 1 1 | | | 1000059 1000059 |
| EPA 8270D | Naphthalene | | ug/L | J | | | 01/31/2010 | VCM | |
| EPA 8270D EPA 8270D | Naphthalene Nitrobenzene | < 0.100 | ug/L ug/L | J | 0.100 | 1 | 01/31/2010 01/31/2010 | VCM VCM | 1000059 |
| EPA 8270D EPA 8270D EPA 8270D | Naphthalene Nitrobenzene N-Nitrosodi-n-propylamine | < 0.100 < 0.100 | ug/L ug/L ug/L | J | 0.100 0.100 | 1 1 | 01/31/2010 01/31/2010 01/31/2010 | VCM VCM VCM | 1000059 1000059 |
| EPA 8270D EPA 8270D EPA 8270D EPA 8270D | Naphthalene Nitrobenzene N-Nitrosodi-n-propylamine Pentachlorophenol | < 0.100 < 0.100 < 0.500 | ug/L ug/L ug/L ug/L | J | 0.100 0.100 0.500 | 1 1 1 | 01/31/2010 01/31/2010 01/31/2010 01/31/2010 | VCM VCM VCM | 1000059 1000059 1000059 |
| EPA 8270D EPA 8270D EPA 8270D EPA 8270D EPA 8270D | Naphthalene Nitrobenzene N-Nitrosodi-n-propylamine Pentachlorophenol Phenanthrene | < 0.100 < 0.100 < 0.500 < 0.100 | ug/L ug/L ug/L ug/L ug/L | | 0.100 0.100 0.500 0.100 | 1 1 1 | 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 | VCM VCM VCM VCM | 1000059 1000059 1000059 1000059 |
| EPA 8270D EPA 8270D EPA 8270D EPA 8270D EPA 8270D EPA 8270D | Naphthalene Nitrobenzene N-Nitrosodi-n-propylamine Pentachlorophenol Phenanthrene Phenol | < 0.100 < 0.100 < 0.500 < 0.100 7.13 | ug/L ug/L ug/L ug/L ug/L ug/L | | 0.100 0.100 0.500 0.100 0.100 | 1 1 1 1 | 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 | VCM VCM VCM VCM VCM | 1000059 1000059 1000059 1000059 1000059 |
| EPA 8270D | Naphthalene Nitrobenzene N-Nitrosodi-n-propylamine Pentachlorophenol Phenanthrene Phenol Pyrene | < 0.100 < 0.100 < 0.500 < 0.100 7.13 < 0.100 | ug/L ug/L ug/L ug/L ug/L ug/L | | 0.100 0.100 0.500 0.100 0.100 0.100 | 1 1 1 1 1 | 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 | VCM VCM VCM VCM VCM VCM | 1000059 1000059 1000059 1000059 1000059 |
| EPA 8270D | Naphthalene Nitrobenzene N-Nitrosodi-n-propylamine Pentachlorophenol Phenanthrene Phenol Pyrene Terpiniol | < 0.100 < 0.100 < 0.500 < 0.100 7.13 < 0.100 < 0.200 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L | | 0.100 0.100 0.500 0.100 0.100 0.100 | 1 1 1 1 1 1 | 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 | VCM VCM VCM VCM VCM VCM | 1000059 1000059 1000059 1000059 1000059 1000059 |
| EPA 8270D Surrogate: 2 Surrogate: 2 | Naphthalene Nitrobenzene N-Nitrosodi-n-propylamine Pentachlorophenol Phenanthrene Phenol Pyrene Terpiniol -Fluorobiphenyl | < 0.100 < 0.100 < 0.500 < 0.100 7.13 < 0.100 < 0.200 80.0 % | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | | 0.100 0.100 0.500 0.100 0.100 0.100 | 1 1 1 1 1 1 1 | 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 01/31/2010 | VCM VCM VCM VCM VCM VCM VCM | 1000059 1000059 1000059 1000059 1000059 1000051 1000051 |

Limit 60-130

Limit 60-130

Limit 60-130

Limit 60-130

Limit 60-130

Limit 60-130

124 %

92.0 %

110 %

86.0 %

90.0 %

84.0 %

Page 123 of 291

Surrogate: Nitrobenzene-d5

Surrogate: Nitrobenzene-d5

Surrogate: Phenol-d6

Surrogate: Phenol-d6

Surrogate: Terphenyl-dl4

Surrogate: Terphenyl-dl4

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station I D: PGMW02 Date / Time Sampled: 01/21/10 15:15 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-26 B

| 746765 | | | 200000 | Qual- | Report | Diluti | | 6866 | 10000 |
|-----------|-----------------------------|---------|--------|-------|--------|--------|------------|------|---------|
| Method | Parameter | Results | Units | ifier | Limit | | r Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 2.00 | ug/L | | 2.00 | 10 | 02/06/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 2.00 | ug/L | | 2.00 | 10 | 02/06/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 1.00 | ug/L | J | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | 12.7 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 2.50 | ug/L | | 2.50 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 2.50 | ug/L | | 2.50 | 10 | 02/06/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 3.00 | ug/L | J | 3.00 | 10 | 02/06/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | 17.1 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | 4.80 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 2.50 | ug/L | | 2.50 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | 12.8 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 5.00 | ug/L | | 5.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 1.00 | ug/L | j | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 5.00 | ug/L | | 5.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | 2.70 | ug/L | | 2.00 | 10 | 02/06/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 1.00 | ug/L | J | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 5.50 | ug/L | J | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 1.00 | ug/L | J | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 124 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| Semivolatile | Organic Compounds by EPA M | ethod 82701 | D | | | | | | |
|---------------|----------------------------|-------------|--------------|---|------|-----|------------|-----|---------|
| EPA 8270D | Dibenz (a,h) anthracene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Dibenzofuran | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Diethyl phthalate | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 1.00 | ug/L | J | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 1.00 | ug/L | J | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 5.00 | ug/L | | 5.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | | 1000059 |
| EPA 8270D | Naphthalene | 171 | ug/L | | 10.0 | 100 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 5.00 | ug/L | | 5.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | 22.5 | ug/L | | 2.50 | 25 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 1.00 | ug/L | | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 2.00 | ug/L | | 2.00 | 10 | 02/06/2010 | VCM | 1000051 |
| Surrogate: 2 | -Fluorobiphenyl | % | Limit 60-120 | | | 10 | 02/06/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorobiphenyl | % | Limit 60-130 | | | 10 | 01/31/2010 | VCM | 1000059 |
| Surrogate: 2- | -Fluorophenol | % | Limit 60-120 | | | 10 | 02/06/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorophenol | % | Limit 60-130 | | | 10 | 01/31/2010 | VCM | 1000059 |
| Surrogate: N | litrobenzene-d5 | % | Limit 60-130 | | | 10 | 02/06/2010 | VCM | 1000051 |
| Surrogate: N | litrobenzene-d5 | % | Limit 60-130 | | | 10 | 01/31/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | % | Limit 60-130 | | | 10 | 02/06/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: T | erphenyl-dl4 | % | Limit 60-130 | | | 10 | 02/06/2010 | VCM | 1000051 |
| Surrogate: T | erphenyl-dl4 | % | Limit 60-130 | | | 10 | 01/31/2010 | VCM | 1000059 |
| | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGMW03 Date / Time Sampled: 01/21/10 14:30 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-27 B

| EPA 8270D | | | _ | | Qual- | Report | Diluti | | | |
|---|----------|---|---------|-------|-------|--------|--------|-------------|-----|---------|
| EPA 8270D 1,2,4-Trichlorobenzene < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 1,2-Dichlorobenzene < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 1,3-Dichlorobenzene < 0.100 ug/L 0.100 10 02/06/2010 VCM EPA 8270D 1,4-Dichlorobenzene < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 2,4-5-Trichlorophenol < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 2,4-Dichlorophenol < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 2,4-Dinitrobluene < 0.250 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 2,4-Dinitrobluene < 0.250 ug/L 0.250 1 01/31/2010 VCM EPA 8270D 2,5-Dinitrobluene < 0.100 ug/L 0.250 1 01/31/2010 VCM EPA 8270D 2-Butoxy | ethod | Parameter | Results | Units | ifier | Limit | Facto | or Analyzed | Ву | Batch |
| EPA 8270D 1,2-Dichlorobenzene < 0.100 | PA 8270D | (R)-(+)-Limonene | < 2.00 | ug/L | | 2.00 | 10 | 02/06/2010 | VCM | 1000051 |
| EPA 8270D 1,3-Dichlorobenzene < 0,100 ug/L 2,00 10 01/31/2010 VCM EPA 8270D 1,3-Dimethyl adamantane < 2,00 | PA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 1,3-Dimethyl adamantane < 2,00 | PA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 1,4-Dichlorobenzene < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 2,4,5-Trichlorophenol < 0.100 | PA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 2,4,5-Trichlorophenol < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 2,4,6-Trichlorophenol < 0.100 | A 8270D | 1,3-Dimethyl adamantane | < 2.00 | ug/L | | 2.00 | 10 | 02/06/2010 | VCM | 1000051 |
| EPA 8270D 2,4,6-Trichlorophenol < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 2,4-Dichlorophenol < 0.100 | A 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 2,4-Dichlorophenol < 0.100 | A 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 2,4-Dimethylphenol < 0.100 | A 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 2,4-Dinitrotoluene < 0.250 ug/L 0.250 1 01/31/2010 VCM EPA 8270D 2,6-Dinitrotoluene < 0.100 | A 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 2,6-Dinitrotoluene < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 2-Butoxyethanol < 2.50 | PA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 2-Butoxyethanol < 2.50 ug/L 2.50 10 02/06/2010 VCM EPA 8270D 2-Butoxyethanol phosphate < 3.00 | PA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 2-Butoxyethanol phosphate < 3.00 ug/L J 3.00 10 02/06/2010 VCM EPA 8270D 2-Chlorophenol < 0.100 | A 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 2-Chloronaphthalene < 0.100 | A 8270D | 2-Butoxyethanol | < 2.50 | ug/L | | 2.50 | 10 | 02/06/2010 | VCM | 1000051 |
| EPA 8270D 2-Chlorophenol < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 2-Methylnaphthalene 17.0 ug/L 2.50 25 01/31/2010 VCM EPA 8270D 2-Methylphenol < 0.100 | A 8270D | 2-Butoxyethanol phosphate | < 3.00 | ug/L | J | 3.00 | 10 | 02/06/2010 | VCM | 1000051 |
| EPA 8270D 2-Chlorophenol < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 2-Methylnaphthalene 17.0 ug/L 2.50 25 01/31/2010 VCM EPA 8270D 2-Methylphenol < 0.100 | A 8270D | 2-Chloronaphthalene | < 0.100 | | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 2-Methylnaphthalene 17.0 ug/L 2.50 25 01/31/2010 VCM EPA 8270D 2-Methylphenol < 0.100 | A 8270D | 2-Chlorophenol | < 0.100 | | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 2-Nitrophenol < 0.250 ug/L 0.250 1 01/31/2010 VCM EPA 8270D 3 & 4-Methylphenol < 0.100 | PA 8270D | 2-Methylnaphthalene | 17.0 | | | 2.50 | 25 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 3 & 4-Methylphenol < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 3-Nitroaniline < 0.100 | A 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 3-Nitroaniline < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 4-Bromophenyl phenyl ether < 0.100 | A 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 3-Nitroaniline < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D 4-Bromophenyl phenyl ether < 0.100 | A 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 4-Chloro-3-methylphenol < 0.500 ug/L 0.500 1 01/31/2010 VCM EPA 8270D 4-Chloroaniline < 0.100 | A 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 4-Chloro-3-methylphenol < 0.500 ug/L 0.500 1 01/31/2010 VCM EPA 8270D 4-Chloroaniline < 0.100 | A 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 4-Chlorophenyl phenyl ether < 0.100 | A 8270D | 4-Chloro-3-methylphenol | < 0.500 | | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 4-Chlorophenyl phenyl ether < 0.100 | A 8270D | 4-Chloroaniline | < 0.100 | ug/L | j | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D 4-Nitroaniline < 0.500 ug/L 0.500 1 01/31/2010 VCM EPA 8270D Acenaphthene < 0.100 | A 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D Acenaphthene < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D Acenaphthylene < 0.100 | A 8270D | 4-Nitroaniline | < 0.500 | | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D Acenaphthylene < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D Adamantane 1.40 ug/L 2.00 10 02/06/2010 VCM EPA 8270D Anthracene < 0.100 | A 8270D | Acenaphthene | < 0.100 | = | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D Adamantane 1.40 ug/L 2.00 10 02/06/2010 VCM EPA 8270D Anthracene < 0.100 | A 8270D | Acenaphthylene | < 0.100 | _ | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D Azobenzene < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D Benzo (a) anthracene < 0.100 | PA 8270D | Adamantane | 1.40 | | | 2.00 | 10 | 02/06/2010 | VCM | 1000051 |
| EPA 8270D Azobenzene < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D Benzo (a) anthracene < 0.100 | PA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D Benzo (a) anthracene < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D Benzo (a) pyrene < 0.100 | | Azobenzene | < 0.100 | | | 0.100 | 1 | | VCM | 1000059 |
| EPA 8270D Benzo (a) pyrene < 0.100 ug/L J 0.100 1 01/31/2010 VCM EPA 8270D Benzo (b) fluoranthene < 0.100 | | Benzo (a) anthracene | < 0.100 | | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D Benzo (b) fluoranthene < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D Benzo (g,h,i) perylene < 0.100 | | • • | | | j | | 1 | | | 1000059 |
| EPA 8270D Benzo (g,h,i) perylene < 0.100 | | | | | | | | | | 1000059 |
| EPA 8270D Benzo (k) fluoranthene < 0.100 | | | | = | | | | | | 1000059 |
| EPA 8270D Bis(2-chloroethoxy)methane < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D Bis(2-chloroethyl)ether < 0.100 | | | | | | | | | | 1000059 |
| EPA 8270D Bis(2-chloroethyl)ether < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D Bis(2-chloroisopropyl)ether < 0.100 | | | | | | | | | | |
| EPA 8270D Bis(2-chloroisopropyl)ether < 0.100 ug/L 0.100 1 01/31/2010 VCM EPA 8270D Bis(2-ethylhexyl)phthalate 28.8 ug/L J 2.50 25 01/31/2010 VCM | | • | | | | | | | | |
| EPA 8270D Bis(2-ethylhexyl)phthalate 28.8 ug/L J 2.50 25 01/31/2010 VCM | | | | | | | | | | 1000059 |
| 0.00.000 | | | | | J | | | | | 1000059 |
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Page 126 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

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|----------------|----------------------------------|---------------|--------------|---|-------|----|------------|----------|----------|
| Semivolatil | e Organic Compounds by EF | A Method 8270 | ס | | | | | | |
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | 57.5 | ug/L | J | 2.50 | 25 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 2.00 | ug/L | | 2.00 | 10 | 02/06/2010 | VCM | 1000051 |
| Surrogate: | 2-Fluorobiphenyl | % | Limit 60-120 | | | 10 | 02/06/2010 | VCM | 1000051 |
| Surrogate: | 2-Fluorobiphenyl | 82.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: | 2-Fluorophenol | % | Limit 60-120 | | | 10 | 02/06/2010 | VCM | 1000051 |
| Surrogate: | 2-Fluorophenol | 82.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: | Nitrobenzene-d5 | % | Limit 60-130 | | | 10 | 02/06/2010 | VCM | 1000051 |
| Surrogate: | Nitrobenzene-d5 | 66.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: | Phenol-d6 | % | Limit 60-130 | | | 10 | 02/06/2010 | VCM | 1000051 |
| Surrogate: | Phenol-d6 | 64.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: | Terphenyl-dl4 | % | Limit 60-130 | | | 10 | 02/06/2010 | VCM | 1000051 |
| _ | Terphenyl-dl4 | 72.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| J | • | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGSW03 Date / Time Sampled: 01/20/10 15:35 Workorder 1001003 EPA Tag No.: Matrix: Water Lab Number: 1001003-42 B

| | Qual- Report Dilution | | | | | | 0001 | | |
|---|-----------------------------|---------|--------------|-------|-------|----|--------------|--------|---------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Acenaphthy lene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 10.3 | ug/L | J | 1.00 | 10 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | - | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/∟ ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| _,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 2.2012 (a,ii) artification | 3.100 | ~g, _ | | 0.700 | , | 3 1/3 1/2010 | . 5111 | .00000 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 128 of 291

Certificate of Analysis

| Semivolatile | Organic | Compounds | by EPA | Method | 8270D |
|--------------|---------|-----------|--------|--------|-------|
|--------------|---------|-----------|--------|--------|-------|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
|---------------|---------------------------|-------------------------------|---------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 90.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2- | -Fluorobiphenyl | 88.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 80.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 74.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 104 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 78.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: P. | henol-d6 | 74.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: P | | 72.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: To | | 84.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: To | , , | 88.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| | k3 ; | · - · - | Little 00 100 | | | • | · · | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGSW04 Date / Time Sampled: 01/20/10 16:20 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-43 B

| Qual- Report Dilution | | | | | | | | | |
|-----------------------|-----------------------------|----------|--------------|-------|-------|-------|------------|--------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Butoxyethanol | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenoi | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 2.65 | ug/L | J | 0.500 | 5 | 01/31/2010 | | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | v | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | | 1000059 |
| LFA OZIOD | Dibenz (a,n) andhacene | ~ U. 1UU | ug/L | | 0.100 | 1 | 01/01/2010 | V CIVI | 1000003 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 130 of 291

Certificate of Analysis

| Semivolatile | Organic Compounds by EPA Me | thod 8270D | | | | | | | |
|--------------|-----------------------------|------------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Diethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | 0.140 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2 | -Fluorobiphenyl | 88.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2 | -Fluorobiphenyl | 84.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: 2 | -Fluorophenol | 76.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2 | -Fluorophenol | 76.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: N | litrobenzene-d5 | 100 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: N | litrobenzene-d5 | 70.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 64.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | 70.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: T | erphenyl-dl4 | 82.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: T | erphenyl-dl4 | 90.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGSW05 Date / Time Sampled: 01/22/10 09:15 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-44 B

| EFA Tay No | ******* | Watix. | | 1000-44 15 | | | | | |
|------------|-----------------------------|---------|------------|----------------|-----------------|--------------------|------------|-----|---------|
| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilution Factor | Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,2-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 1,4-Dichlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dichlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dimethylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,4-Dinitrotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2,6-Dinitrotoluene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-ButoxyethanoI | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 0.300 | ug/L | J | 0.300 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | 2-Chloronaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Chlorophenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylnaphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 2-Nitrophenol | < 0.250 | ug/L | | 0.250 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3 & 4-Methylphenol | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 3-Nitroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chloroaniline | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | 4-Nitroaniline | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Acenaphthylene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Adamantane | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| EPA 8270D | Anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Azobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) anthracene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (a) pyrene | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (b) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (g,h,i) perylene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Benzo (k) fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 1.81 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Butyl benzyl phthalate | 0.160 | ug/L | J | 0.100 | | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Carbazole | < 0.100 | ug/L | | 0.100 | | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Chrysene | < 0.100 | ug/L | | 0.100 | | 01/31/2010 | | 1000059 |
| EPA 8270D | Dibenz (a,h) anthracene | < 0.100 | ug/L | | 0.100 | | 01/31/2010 | | 1000059 |
| | (, , | | 3 - | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 132 of 291

Certificate of Analysis

| Semivolatile | Organic | Compounds | by | EPA | Method | 8270D |
|--------------|---------|-----------|----|------------|--------|-------|
|--------------|---------|-----------|----|------------|--------|-------|

| EPA 8270D | Dibenzofuran | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
|---------------|---------------------------|---------|--------------|---|-------|---|------------|-----|---------|
| EPA 8270D | Diethyl phthalate | 0.180 | ug/∟ | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Dimethyl phthalate | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-butyl phthalate | 0.140 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Di-n-octyl phthalate | < 0.100 | ug/L | J | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluoranthene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Fluorene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorobutadiene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachlorocyclopentadiene | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Hexachloroethane | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Isophorone | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Naphthalene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Nitrobenzene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pentachlorophenol | < 0.500 | ug/L | | 0.500 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Phenanthrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | PhenoI | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Pyrene | < 0.100 | ug/L | | 0.100 | 1 | 01/31/2010 | VCM | 1000059 |
| EPA 8270D | Terpiniol | < 0.200 | ug/L | | 0.200 | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 70.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorobiphenyl | 68.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: 2- | Fluorophenol | 64.0 % | Limit 60-120 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: 2- | Fluorophenol | 66.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: N | itrobenzene-d5 | 98.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: N | itrobenzene-d5 | 68.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: P | henol-d6 | 98.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: P | henol-d6 | 62.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| Surrogate: To | erphenyl-dl4 | 80.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000051 |
| Surrogate: To | | 98.0 % | Limit 60-130 | | | 1 | 01/31/2010 | VCM | 1000059 |
| J | • | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGPP04P Date / Time Sampled: 01/21/10 14:40 Workorder 1001005

EPA Tag No.: Matrix: Water Lab Number: 1001005-03 A

| | | | Qual- Report Dilution | | | | | | |
|-----------|-----------------------------|---------|-----------------------|-------|-------|------------------|--------|---------|--|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch | |
| EPA 8270D | (R)-(+)-Limonene | < 4000 | ug/L | J | 4000 | 20000 02/08/2010 | VCM | 1000041 | |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | 1,2-Dichlorobenzene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | 1,3-Dichlorobenzene | < 2000 | ug/L | j | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | 1,3-Dimethyl adamantane | 9800 | ug/L | J | 4000 | 20000 02/08/2010 | | 1000041 | |
| EPA 8270D | 1,4-Dichlorobenzene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | 2,4,5-Trichlorophenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | | |
| EPA 8270D | 2,4,6-Trichlorophenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | | |
| EPA 8270D | 2,4-Dichlorophenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | | |
| EPA 8270D | 2,4-Dimethylphenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | 2,4-Dinitrotoluene | < 5000 | ug/L | J | 5000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | 2,6-Dinitrotoluene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | 2-Butoxyethanol | < 5000 | ug/L | j | 5000 | 20000 02/08/2010 | | 1000041 | |
| EPA 8270D | 2-Butoxyethanol phosphate | < 6000 | ug/L | J | 6000 | 20000 02/08/2010 | VCM | | |
| EPA 8270D | 2-Chloronaphthalene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | | |
| EPA 8270D | 2-Chlorophenol | < 2000 | ug/L ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | 2-Methylnaphthalene | 5400 | | J | 2000 | | | 1000031 | |
| | | | ug/L | | | | | | |
| EPA 8270D | 2-Methylphenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | | |
| EPA 8270D | 2-Nitroaniline | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | 2-Nitrophenol | < 5000 | ug/L | J | 5000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | 3 & 4-Methylphenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | 3-Nitroaniline | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | 4-Chloro-3-methylphenol | < 10000 | ug/L | J | 10000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | 4-Chloroaniline | < 2000 | ug/L | j | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | 4-Nitroaniline | < 10000 | ug/L | J | 10000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | 4-Nitrophenol | < 10000 | ug/L | J | 10000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | Acenaphthene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | Acenaphthylene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | Adamantane | 47200 | ug/L | J | 4000 | 20000 02/08/2010 | VCM | 1000041 | |
| EPA 8270D | Anthracene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | Azobenzene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | Benzo (a) anthracene | < 2000 | ug/L | j | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | Benzo (a) pyrene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | Benzo (b) fluoranthene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | Benzo (g,h,i) perylene | < 2000 | ug/L | j | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | Benzo (k) fluoranthene | < 2000 | ug/L | j | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 | |
| EPA 8270D | Bis(2-chloroethyl)ether | < 2000 | ug/L | j | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | < 2000 | ug/L | j | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | Butyl benzyl phthalate | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 | |
| EPA 8270D | Carbazole | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 | |
| | | - 2000 | ~9, L | • | 2000 | 20000 02/10/2010 | . 0141 | .000001 | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 134 of 291

Certificate of Analysis

| Semivolatile | Organic | Compounds | by | EPA | Method | 8270D |
|--------------|---------|-----------|----|-----|--------|-------|
|--------------|---------|-----------|----|-----|--------|-------|

| EPA 8270D | Chrysene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
|--------------|---------------------------|---------|--------------|---|-------|-------|------------|-----|---------|
| EPA 8270D | Dibenz (a,h) anthracene | < 2000 | ug/L | j | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Dibenzofuran | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Diethyl phthalate | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Dimethyl phthalate | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Di-n-butyl phthalate | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Di-n-octyl phthalate | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Fluoranthene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Fluorene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Hexachlorobenzene | < 2000 | ug/L | j | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Hexachlorobutadiene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Hexachlorocyclopentadiene | < 10000 | ug/L | J | 10000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Hexachloroethane | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Isophorone | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Naphthalene | 30000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Nitrobenzene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Pentachlorophenol | < 10000 | ug/L | J | 10000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Phenanthrene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Phenol | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Pyrene | < 2000 | ug/L | j | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Terpiniol | < 4000 | ug/L | J | 4000 | 20000 | 02/08/2010 | VCM | 1000041 |
| Surrogate: 2 | -Fluorobiphenyl | % | Limit 60-130 | | | 20000 | 02/08/2010 | VCM | 1000041 |
| Surrogate: 2 | -Fluorobiphenyl | % | Limit 60-130 | | | 20000 | 02/19/2010 | VCM | 1000031 |
| Surrogate: 2 | -Fluorophenol | % | Limit 60-130 | | | 20000 | 02/08/2010 | VCM | 1000041 |
| Surrogate: 2 | -Fluorophenol | % | Limit 60-130 | | | 20000 | 02/19/2010 | VCM | 1000031 |
| Surrogate: N | litrobenzene-d5 | % | Limit 60-130 | | | 20000 | 02/08/2010 | VCM | 1000041 |
| Surrogate: N | litrobenzene-d5 | % | Limit 60-130 | | | 20000 | 02/19/2010 | VCM | 1000031 |
| Surrogate: P | henol-d6 | % | Limit 60-130 | | | 20000 | 02/08/2010 | VCM | 1000041 |
| Surrogate: P | henol-d6 | % | Limit 60-130 | | | 20000 | 02/19/2010 | VCM | 1000031 |
| Surrogate: T | erphenyl-dl4 | % | Limit 60-130 | | | 20000 | 02/08/2010 | VCM | 1000041 |
| Surrogate: T | erphenyl-dl4 | % | Limit 60-130 | | | 20000 | 02/19/2010 | VCM | 1000031 |
| - | • | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

| Station ID: PGPP05 | | Date / Time Sampled | Workorder | |
|--------------------|----------|---------------------|---------------|--------------|
| EPA Tag No.: | <u> </u> | Matrix: Water | Lab Number: 1 | 1001005-04 A |

| V46706 | | | | Qual- | Report | Dilution | 6661 | |
|-----------|-----------------------------|---------|--------------|-------|--------|-------------------|--------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 4000 | ug/L | j | 4000 | 20000 02/09/2010 | VCM | 1000041 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 1,2-Dichlorobenzene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 1,3-Dichlorobenzene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 1,3-Dimethyl adamantane | 8200 | ug/L | J | 4000 | 20000 02/09/2010 | VCM | 1000041 |
| EPA 8270D | 1,4-Dichlorobenzene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 2,4-Dichlorophenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 2,4-Dimethylphenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 2,4-Dinitrotoluene | < 5000 | ug/L | J | 5000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 2,6-Dinitrotoluene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 2-Butoxyethanol | < 5000 | ug/L | j | 5000 | 20000 02/09/2010 | VCM | 1000041 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 6000 | ug/L | J | 6000 | 20000 02/09/2010 | VCM | 1000041 |
| EPA 8270D | 2-Chloronaphthalene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 2-Chlorophenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 2-Methylnaphthalene | 110000 | ug/L | J | 10000 | 100000 02/19/2010 | VCM | |
| EPA 8270D | 2-Methylphenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 2-Nitrophenol | < 5000 | ug/L | J | 5000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 3 & 4-Methylphenol | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 3-Nitroaniline | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 2000 | ug/L | j | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 10000 | ug/L | J | 10000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 4-Chloroaniline | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 2000 | ug/L | j | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 4-Nitroaniline | < 10000 | ug/L | J | 10000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | 4-Nitrophenol | < 10000 | ug/L | J | 10000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Acenaphthene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Acenaphthylene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Adamantane | 6400 | ug/L | J | 4000 | 20000 02/09/2010 | | 1000041 |
| EPA 8270D | Anthracene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Azobenzene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Benzo (a) anthracene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Benzo (a) pyrene | < 2000 | ug/L | j | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Benzo (b) fluoranthene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Benzo (g,h,i) perylene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Benzo (k) fluoranthene | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 2000 | ug/∟ | J | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | < 2000 | ug/L ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Butyl benzyl phthalate | < 2000 | | j | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | Carbazole | < 2000 | ug/L | | 2000 | 20000 02/19/2010 | | 1000031 |
| EPA 8270D | | < 2000 | ug/L | J | 2000 | 20000 02/19/2010 | | 1000031 |
| LFA 02/0D | Chrysene | ~ 2000 | ug/L | J | 2000 | 20000 02/18/2010 | v CIVI | 1000031 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 136 of 291

Certificate of Analysis

| Semivolatile | Organic | Compounds | by | EPA | Method | 8270D |
|--------------|---------|-----------|----|------------|--------|-------|
|--------------|---------|-----------|----|------------|--------|-------|

| EPA 8270D | Dibenz (a,h) anthracene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
|--------------|---------------------------|---------|--------------|---|-------|-------|------------|-----|---------|
| EPA 8270D | Dibenzofuran | < 2000 | ug/L | j | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Diethyl phthalate | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Dimethyl phthalate | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Di-n-butyl phthalate | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Di-n-octyl phthalate | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Fluoranthene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Fluorene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Hexachlorobenzene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Hexachlorobutadiene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Hexachlorocyclopentadiene | < 10000 | ug/L | J | 10000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Hexachloroethane | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Isophorone | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Naphthalene | 37800 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Nitrobenzene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 2000 | ug/L | j | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Pentachlorophenol | < 10000 | ug/L | J | 10000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Phenanthrene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Phenot | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Pyrene | < 2000 | ug/L | J | 2000 | 20000 | 02/19/2010 | VCM | 1000031 |
| EPA 8270D | Terpiniol | < 4000 | ug/L | j | 4000 | 20000 | 02/09/2010 | VCM | 1000041 |
| Surrogate: 2 | -Fluorobiphenyl | % | Limit 60-130 | | | 20000 | 02/09/2010 | VCM | 1000041 |
| Surrogate: 2 | -Fluorobiphenyl | % | Limit 60-130 | | | 20000 | 02/19/2010 | VCM | 1000031 |
| Surrogate: 2 | -Fluorophenol | % | Limit 60-130 | | | 20000 | 02/09/2010 | VCM | 1000041 |
| Surrogate: 2 | -Fluorophenol | % | Limit 60-130 | | | 20000 | 02/19/2010 | VCM | 1000031 |
| Surrogate: N | litrobenzene-d5 | % | Limit 60-130 | | | 20000 | 02/09/2010 | VCM | 1000041 |
| Surrogate: N | litrobenzene-d5 | % | Limit 60-130 | | | 20000 | 02/19/2010 | VCM | 1000031 |
| Surrogate: P | henol-d6 | % | Limit 60-130 | | | 20000 | 02/09/2010 | VCM | 1000041 |
| Surrogate: P | henol-d6 | % | Limit 60-130 | | | 20000 | 02/19/2010 | VCM | 1000031 |
| Surrogate: T | erphenyl-dl4 | % | Limit 60-130 | | | 20000 | 02/09/2010 | VCM | 1000041 |
| Surrogate: T | | % | Limit 60-130 | | | 20000 | 02/19/2010 | VCM | 1000031 |
| Ŭ | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGPP06 01/22/10 10:05 1001005 Date / Time Sampled: Workorder Matrix: Water Lab Number: 1001005-05 A EPA Tag No.:

| | | | | Qual- | Report | Dilution | | | |
|------------------------|-----------------------------|---------|--------------|-------|--------|----------|--------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | | Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 1600 | ug/L | j | 1600 | 8000 | 02/09/2010 | VCM | 1000041 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | 1,2-Dichlorobenzene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | 1,3-Dichlorobenzene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | 1,3-Dimethyl adamantane | < 1600 | ug/L | j | 1600 | 8000 | 02/09/2010 | | 1000041 |
| EPA 8270D | 1,4-Dichlorobenzene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | 2,4-Dichlorophenol | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | 2,4-Dimethylphenol | 5000 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | 2,4-Dinitrotoluene | < 1000 | ug/L | J | 1000 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | 2,6-Dinitrotoluene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | 2-Butoxyethanol | < 2000 | ug/L | j | 2000 | 8000 | 02/09/2010 | | 1000041 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 2400 | ug/L | J | 2400 | 8000 | 02/09/2010 | | 1000041 |
| EPA 8270D | 2-Chloronaphthalene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | |
| EPA 8270D | 2-Chlorophenol | < 400 | ug/L | j | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | 2-Methylnaphthalene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | 2-Methylphenol | 7760 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | 2-Nitrophenol | < 1000 | ug/L | J | 1000 | | 02/20/2010 | | 1000031 |
| EPA 8270D | 3 & 4-Methylphenol | 6760 | ug/∟ ug/L | j | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | 3-Nitroaniline | < 400 | ug/∟ ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 400 | ug/L ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 2000 | ug/L ug/L | J | 2000 | 4000 | 02/20/2010 | VCM | |
| EPA 8270D | 4-Chloroaniline | < 400 | | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | | | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | |
| | 4-Chlorophenyl phenyl ether | < 400 | ug/L | | | | | | |
| EPA 8270D EPA 8270D | 4-Nitroaniline | < 2000 | ug/L | J | 2000 | 4000 | 02/20/2010 | VCM | |
| | 4-Nitrophenol | < 2000 | ug/L | J | 2000 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Acenaphthelene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Acenaphthylene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Adamantane | < 1600 | ug/L | J | 1600 | 8000 | 02/09/2010 | | 1000041 |
| EPA 8270D | Anthracene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Azobenzene | < 400 | ug/L | J | 400 | | 02/20/2010 | | 1000031 |
| EPA 8270D | Benzo (a) anthracene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Benzo (a) pyrene | < 400 | ug/L " | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Benzo (b) fluoranthene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Benzo (g,h,i) perylene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Benzo (k) fluoranthene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Butyl benzyl phthalate | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Carbazole | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | | 1000031 |
| EPA 8270D | Chrysene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 138 of 291

Print Date: 09-Jun-2011 Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Semivolatile Organic Compounds by EPA Method 8270D

Certificate of Analysis

4000 02/20/2010 VCM 1000031

02/09/2010 VCM 1000041

02/20/2010 VCM 1000031

02/09/2010 VCM 1000041

02/20/2010 VCM 1000031

02/09/2010 VCM 1000041

4000 02/20/2010 VCM 1000031

8000

4000

8000

4000

8000

| EPA 8270D | Dibenz (a,h) anthracene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
|---------------|---------------------------|--------|--------------|---|------|------|------------|-----|---------|
| EPA 8270D | Dibenzofuran | < 400 | ug/L | j | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Diethyl phthalate | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | DimethyI phthalate | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Di-n-butyl phthalate | < 400 | ug/L | j | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Di-n-octyl phthalate | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Fluoranthene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Fluorene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Hexachlorobenzene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Hexachlorobutadiene | < 400 | ug/L | j | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Hexachlorocyclopentadiene | < 2000 | ug/L | J | 2000 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Hexachloroethane | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Isophorone | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Naphthalene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Nitrobenzene | < 400 | ug/L | j | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Pentachlorophenol | < 2000 | ug/L | J | 2000 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Phenanthrene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Phenol | 6960 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Pyrene | < 400 | ug/L | J | 400 | 4000 | 02/20/2010 | VCM | 1000031 |
| EPA 8270D | Terpiniol | < 1600 | ug/L | j | 1600 | 8000 | 02/09/2010 | VCM | 1000041 |
| Surrogate: 2- | -Fluorobiphenyl | % | Limit 60-130 | | | 8000 | 02/09/2010 | VCM | 1000041 |
| Surrogate: 2- | -Fluorobiphenyl | % | Limit 60-130 | | | 4000 | 02/20/2010 | VCM | 1000031 |
| Surrogate: 2- | Fluorophenol | % | Limit 60-130 | | | 8000 | 02/09/2010 | VCM | 1000041 |
| | | | | | | | | | |

Limit 60-130

%

%

%

%

%

%

%

Surrogate: 2-Fluorophenol

Surrogate: Nitrobenzene-d5

Surrogate: Nitrobenzene-d5

Surrogate: Phenol-d6

Surrogate: Phenol-d6

Surrogate: Terphenyl-dl4

Surrogate: Terphenyl-dl4

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 140 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D

Station ID: PGFM20 Date / Time Sampled: 01/19/10 12:05 Workorder 1001005

EPA Tag No.: Matrix: Soil Lab Number: 1001005-01 A

| ~~~~~~~ | | | | Qual- | Report | Dilutio | 7556 | | |
|-----------|-----------------------------|---------|--------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | | r Analyzed | Ву | Batch |
| EPA 8270D | (R)-(+)-Limonene | < 300 | ug/kg | J | 300 | 2 | 02/09/2010 | VCM | 1000029 |
| EPA 8270D | 1,2,4-Trichlorobenzene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 1,2-Dichlorobenzene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 1,3-Dichtorobenzene | < 200 | ug/kg | j | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 1,3-Dimethyl adamantane | 2960 | ug/kg | J | 300 | 2 | 02/09/2010 | VCM | 1000029 |
| EPA 8270D | 1,4-Dichlorobenzene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 2,4,5-Trichlorophenol | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 2,4,6-Trichlorophenol | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 2,4-Dichlorophenol | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 2,4-Dimethylphenol | < 200 | ug/kg | j | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 2,4-Dinitrotoluene | < 500 | ug/kg | J | 500 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 2,6-Dinitrotoluene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 2-Butoxyethanol | < 500 | ug/kg | J | 500 | 2 | 02/09/2010 | VCM | 1000029 |
| EPA 8270D | 2-Butoxyethanol phosphate | < 1000 | ug/kg | J | 1000 | 2 | 02/09/2010 | VCM | 1000029 |
| EPA 8270D | 2-Chloronaphthalene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 2-Chlorophenoi | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 2-Methylnaphthalene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 2-Methylphenol | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 2-Nitrophenol | < 500 | ug/kg | J | 500 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 3 & 4-Methylphenol | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 3-Nitroaniline | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 4-Bromophenyl phenyl ether | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 4-Chloro-3-methylphenol | < 1000 | ug/kg | J | 1000 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 4-Chloroaniline | < 200 | ug/kg | j | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 4-Chlorophenyl phenyl ether | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | 4-Nitroaniline | < 1000 | ug/kg | J | 1000 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Acenaphthene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Acenaphthylene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Adamantane | 420 | ug/kg | J | 300 | 2 | 02/09/2010 | VCM | 1000029 |
| EPA 8270D | Anthracene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Azobenzene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Benzo (a) anthracene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Benzo (a) pyrene | < 200 | ug/kg | j | 200 | 1 | 02/09/2010 | | 1000030 |
| EPA 8270D | Benzo (b) fluoranthene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | | 1000030 |
| EPA 8270D | Benzo (g,h,i) perylene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Benzo (k) fluoranthene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | | 1000030 |
| EPA 8270D | Bis(2-chloroethoxy)methane | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Bis(2-chloroethyl)ether | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Bis(2-chloroisopropyl)ether | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Bis(2-ethylhexyl)phthalate | 500 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Butyl benzyl phthalate | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | | 1000030 |
| EPA 8270D | Carbazole | < 200 | ug/kg | j | 200 | 1 | 02/09/2010 | | 1000030 |
| EPA 8270D | Chrysene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | | 1000030 |
| EPA 8270D | Dibenz (a,h) anthracene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | | 1000030 |
| | (,,, | | 3' '`3 | - | | • | | | , |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 141 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

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|-----------------|--|----------------|--------------|---|------|---|------------|---------|-----------|
| Semivolatile | Organic Compounds by EP. | A Method 8270E |) | | | | | | |
| EPA 8270D | Dibenzofuran | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Diethyl phthalate | < 200 | ug/kg | j | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Dimethyl phthalate | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Di-n-butyl phthalate | 220 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Di-n-octyl phthalate | 440 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Fluoranthene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Fluorene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Hexachlorobenzene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Hexachlorobutadiene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Hexachlorocyclopentadiene | < 1000 | ug/kg | J | 1000 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Hexachloroethane | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Indeno (1,2,3-cd) pyrene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Isophorone | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Naphthalene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Nitrobenzene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | N-Nitrosodi-n-propylamine | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Pentachlorophenol | < 1000 | ug/kg | J | 1000 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Phenanthrene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | PhenoI | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Pyrene | < 200 | ug/kg | J | 200 | 1 | 02/09/2010 | VCM | 1000030 |
| EPA 8270D | Terpiniol | < 500 | ug/kg | J | 500 | 2 | 02/09/2010 | VCM | 1000029 |
| Surrogate: 2 | 2-Fluorobiphenyl | 88.0 % | Limit 60-130 |) | | 1 | 02/09/2010 | VCM | 1000029 |
| Surrogate: 2 | 2-Fluorobiphenyl | 80.0 % | Limit 45-105 | 5 | | 1 | 02/09/2010 | VCM | 1000030 |
| Surrogate: 2 | 2-Fluorophenol | 66.0 % | Limit 60-130 |) | | 1 | 02/09/2010 | VCM | 1000029 |
| Surrogate: 2 | 2-Fluorophenol | 60.0 % | Limit 35-105 | 5 | | 1 | 02/09/2010 | VCM | 1000030 |
| Surrogate: I | Nitrobenzene-d5 | 80.0 % | Limit 60-130 |) | | 1 | 02/09/2010 | VCM | 1000029 |
| Surrogate: I | Nitrobenzene-d5 | 72.0 % | Limit 35-100 |) | | 1 | 02/09/2010 | VCM | 1000030 |
| Surrogate: F | Phenol-d6 | 50.0 % | Limit 40-100 |) | | 1 | 02/09/2010 | VCM | 1000030 |
| Surrogate: F | Phenol-d6 | 80.0 % | Limit 60-130 |) | | 1 | 02/09/2010 | VCM | 1000029 |
| Surrogate: | Terphenyl-dl4 | 72.0 % | Limit 60-130 |) | | 1 | 02/09/2010 | VCM | 1000029 |
| Surrogate: | Terphenyl-dl4 | 84.0 % | Limit 30-125 | 5 | | 1 | 02/09/2010 | VCM | 1000030 |
| | | | | | | | | | |

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 143 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW03 Date / Time Sampled: 01/20/10 09:40 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-01 E

| | | | | Qual- | Report | Dilution District Control of the Con | | | | |
|-----------|-----------------------------|---------|-------|-------|--------|--|------------|---------|--|--|
| Method | Parameter | Results | Units | ifier | Limit | Factor Ana | alyzed By | Batch | | |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 7/2010 VCM | 1000024 | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 144 of 291

| Project: Pavi | llion#1 2010 LSR No: 1001-004 | | | | | | Certif | icate of | Analysis |
|---------------|-------------------------------|----------|--------------|---|-------|---|------------|----------|----------|
| Volatile Org | anic Compounds by EPA Metho | od 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 102 % | Limit 70-120 | | | 1 | 01/27/2010 | VCM | 1000024 |

98.5 %

103 %

100 %

Limit 75-120

Limit 85-115

Limit 85-120

Print Date: 09-Jun-2011

01/27/2010 VCM 1000024

01/27/2010 VCM 1000024

01/27/2010 VCM 1000024

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

 Station ID:
 PGDW04
 Date / Time Sampled:
 01/20/10 10:20
 Workorder
 1001003

 EPA Tag No.:
 Matrix:
 Water
 Lab Number:
 1001003-02 E

| EFA Tay No. | | Watir. | | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Report | Dilution | | JUJ-UZ 1 | 1000 <i>0</i> |
|-------------|-----------------------------|---------|-------|---------------------------------------|--------|----------|------------|----------|---------------|
| Method | Parameter | Results | Units | Qual- ifier | Limit | | Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | | 01/27/2010 | VCM | |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | j | 0.250 | | 01/27/2010 | | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | | 01/27/2010 | | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | J | 0.250 | | 01/27/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | j | 0.250 | | 01/27/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | | 01/27/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | | 01/27/2010 | | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| | | | - | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 146 of 291

| Project: Pavi | llion#1 2010 LSR No: 1001-004 | • | | | | | Certif | icate of | Analysis |
|---------------|-------------------------------|-----------|------|---|-------|---|------------|----------|----------|
| Volatile Org | anic Compounds by EPA Meth | nod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |

104 %

99.0 %

101 %

98.0 %

Limit 70-120

Limit 75-120

Limit 85-115

Limit 85-120

01/27/2010 VCM 1000024

01/27/2010 VCM 1000024

01/27/2010 VCM 1000024

01/27/2010 VCM 1000024

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW05 Date / Time Sampled: 01/18/10 11:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-03 E

| ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | | | | Qual- | Report | Dilutio | n | | |
|---------------------------------------|-----------------------------|---------|-------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | 1.74 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | j | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 148 of 291

| Project: Pav | illion#1 2010 LSR No: 1001-00 |)4 | | | | | Certif | icate of | Analysis |
|--------------|-------------------------------|--------------|--------------|---|-------|---|------------|----------|----------|
| Volatile Or | ganic Compounds by EPA M | lethod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: | 1,2-Dichloroethane-d4 | 104 % | Limit 70-120 |) | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: | 4-Bromofluorobenzene | 99.0 % | Limit 75-120 |) | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: | Dibromofluoromethane | 102 % | Limit 85-11 | 5 | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: | Toluene-d8 | 96.5 % | Limit 85-120 |) | | 1 | 01/27/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW05D Date / Time Sampled: 01/18/10 11:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-04 E

| ~~~~~ | | | | Qual- | Report | Dilutio | n | | |
|-----------|-----------------------------|---------|-------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | 1.71 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | j | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 150 of 291

| Project: Pavi | Ilion#1 2010 LSR No: 1001-004 | • | | | | | Certif | icate of | Analysis |
|---------------|-------------------------------|---------|--------------|---|-------|---|------------|----------|----------|
| Volatile Org | ganic Compounds by EPA Metho | d 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 103 % | Limit 70-120 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: 4 | 1-Bromofluorobenzene | 100 % | Limit 75-120 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: L | Dibromofluoromethane | 101 % | Limit 85-115 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: 7 | Foluene-d8 | 97.5 % | Limit 85-120 | | | 1 | 01/27/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW10 Date / Time Sampled: 01/18/10 14:30 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-05 E

| Parameter | | | 0000000000 | | Qual- | Report | Dilution | **** | 10000 |
|---|-----------|-----------------------------|------------|-------|-------|--------|-------------|-------|---------|
| EPA 8260B 1,1,1-Trichloroethane < 0,250 | Method | Parameter | Results | Units | | | | d By | Batch |
| EPA 8260B 1,1,2,2-Tetrachloroethane < 0,250 ug/L J 0,250 1 01/27/2010 VCM 000024 EPA 8260B 1,1,2-Trichloroethane < 0,250 | EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/27/201 |) VCM | 1000024 |
| EPA 8260B 1,1,2-Trichloroethane < 0,250 | EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloroethane < 0,250 | EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloroethane < 0,250 | EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloropropene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B 1,2,3-Trichlorobenzene < 0.250 | EPA 8260B | 1,1-Dichloroethane | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,2,3-Trichlorobenzene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 0000024 EPA 8260B 1,2,3-Trichlorobenzene < 0.250 | EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,2,3-Trichlorobenzene < 0,250 ug/L J 0,250 1 01/27/2010 VCM 1000024 EPA 8260B 1,2,3-Trichlorobenzene < 0,250 | EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,2,3-Trichloropropane < 0,250 | EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,2,4-Trichlorobenzene < 0.250 | EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,2,4-Trimethylbenzene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B 1,2-Dibromo-3-chloropropane < 0.250 | EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,2-Dibromo-3-chloropropane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B 1,2-Dibromeethane (EDB) < 0.250 | EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,2-Dibromoethane (EDB) < 0.250 ug/L J 0.250 1 01/27/2010 VCM 100024 EPA 8260B 1,2-Dichlorobenzene < 0.250 | EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | _ | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,2-Dichlorobenzene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 100024 EPA 8260B 1,2-Dichloroethane < 0.250 | EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | | J | 0.250 | 1 01/27/201 |) VCM | 1000024 |
| EPA 8260B 1,2-Dichloroethane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B 1,2-Dichloropropane < 0.250 | EPA 8260B | · · · | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,2-Dichloropropane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 100024 EPA 8260B 1,3,5-Trimethylbenzene < 0.250 | EPA 8260B | 1,2-Dichloroethane | < 0.250 | | j | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,3,5-Trimethylbenzene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B 1,3-Dichlorobenzene < 0.250 | EPA 8260B | 1,2-Dichloropropane | < 0.250 | | J | 0.250 | 1 01/27/201 |) VCM | 1000024 |
| EPA 8260B 1,3-Dichlorobenzene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B 1,3-Dichloropropane < 0.250 | EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | _ | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B 1,3-Dichloropropane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B 1,3-Dimethyl adamantane < 0.250 | EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | | j | | 1 01/27/201 |) VCM | 1000024 |
| EPA 8260B 1,3-Dimethyl adamantane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B 1,4-Dichlorobenzene < 0.250 | EPA 8260B | | | | J | | | | 1000024 |
| EPA 8260B 1,4-Dichlorobenzene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B 2,2-Dichloropropane < 0.250 | EPA 8260B | | | _ | j | | | | 1000024 |
| EPA 8260B 2,2-Dichloropropane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B 2-Chlorotoluene < 0.250 | | • | | | J | 0.250 | | | 1000024 |
| EPA 8260B 2-Chlorotoluene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B 4-Chlorotoluene < 0.250 | EPA 8260B | | < 0.250 | _ | J | 0.250 | 1 01/27/201 |) VCM | 1000024 |
| EPA 8260B 4-Chlorotoluene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B Acrylonitrile < 1.00 | EPA 8260B | ' ' | < 0.250 | - | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Acrylonitrile < 1.00 ug/L J 1.00 1 01/27/2010 VCM 1000024 EPA 8260B Adamantane < 0.250 | EPA 8260B | 4-Chlorotoluene | < 0.250 | | J | 0.250 | 1 01/27/201 |) VCM | 1000024 |
| EPA 8260B Adamantane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B Allyl chloride < 1.00 | EPA 8260B | | < 1.00 | | J | 1.00 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Allyl chloride < 1.00 ug/L J 1.00 1 01/27/2010 VCM 1000024 EPA 8260B Benzene < 0.250 | EPA 8260B | • | < 0.250 | - | j | 0.250 | 1 01/27/201 |) VCM | 1000024 |
| EPA 8260B Benzene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B Bromobenzene < 0.250 | EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 01/27/201 |) VCM | 1000024 |
| EPA 8260B Bromobenzene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B Bromochloromethane < 0.250 | EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Bromochloromethane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B Bromodichloromethane < 0.250 | EPA 8260B | Bromobenzene | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Bromodichloromethane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B Bromoform < 0.250 | EPA 8260B | Bromochloromethane | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Bromoform < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B Bromomethane < 0.250 | EPA 8260B | Bromodichloromethane | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Carbon disulfide < 0.500 ug/L J 0.500 1 01/27/2010 VCM 1000024 EPA 8260B Carbon tetrachloride < 0.250 | EPA 8260B | Bromoform | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Carbon disulfide < 0.500 ug/L J 0.500 1 01/27/2010 VCM 1000024 EPA 8260B Carbon tetrachloride < 0.250 | EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Carbon tetrachloride < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B Chlorobenzene < 0.250 | EPA 8260B | Carbon disulfide | < 0.500 | | J | 0.500 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Chlorobenzene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B Chlorodibromomethane < 0.250 | EPA 8260B | Carbon tetrachloride | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Chlorodibromomethane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B Chloroform < 0.250 | EPA 8260B | Chlorobenzene | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Chloroethane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 EPA 8260B Chloroform < 0.250 | EPA 8260B | Chlorodibromomethane | < 0.250 | | j | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Chloroform < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 | EPA 8260B | Chloroethane | < 0.250 | | J | 0.250 | 1 01/27/201 |) VCM | 1000024 |
| | EPA 8260B | Chloroform | < 0.250 | | J | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B Chloromethane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 | EPA 8260B | Chloromethane | < 0.250 | ug/L | j | 0.250 | 1 01/27/201 | VCM | 1000024 |
| EPA 8260B cis-1,2-Dichloroethene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 | | | | | J | | 1 01/27/201 | | |
| EPA 8260B cis-1,3-Dichloropropene < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 | | | | | j | | | | |
| EPA 8260B Dibromomethane < 0.250 ug/L J 0.250 1 01/27/2010 VCM 1000024 | | • • | | | J | | | | |
| EPA 8260B | | Dichlorodifluoromethane | < 0.250 | | J | 0.250 | | | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 152 of 291

| Project: Pavi | llion#1 2010 LSR No: 1001-004 | | | | | - | Certif | icate of | Analysis |
|---------------|-------------------------------|---------|--------------|---|-------|---|------------|----------|----------|
| Volatile Org | anic Compounds by EPA Metho | d 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 106 % | Limit 70-120 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: 4 | l-Bromofluorobenzene | 99.5 % | Limit 75-120 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: L | Dibromofluoromethane | 102 % | Limit 85-115 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: 7 | oluene-d8 | 97.5 % | Limit 85-120 | | | 1 | 01/27/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW20 Date / Time Sampled: 01/19/10 12:05 Workorder 1001003 :

EPA Tag No.: Matrix: Water Lab Number: 1001003-06 E

| Qual- Repor | rt Dilution | | |
|---|----------------|-----|---------|
| Qual Report Method Parameter Results Units ifier Limit | | Ву | Batch |
| EPA 8260B 1,1,1,2-Tetrachloroethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,1,1-Trichloroethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,1,2,2-Tetrachloroethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,1,2-Trichloroethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloroethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloroethene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloropropene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,2,3-Trichlorobenzene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,2,3-Trichloropropane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,2,4-Trichlorobenzene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,2,4-Trimethylbenzene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dibromo-3-chloropropane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dibromoethane (EDB) < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dichlorobenzene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dichloroethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dichloropropane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,3,5-Trimethylbenzene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 1,3-Dichlorobenzene < 0.250 ug/L J 0.250 | | | 1000024 |
| EPA 8260B 1,3-Dichloropropane < 0.250 ug/L J 0.250 | | | 1000024 |
| EPA 8260B 1,3-Dimethyl adamantane < 0.250 ug/L J 0.250 | | | 1000024 |
| EPA 8260B 1,4-Dichlorobenzene < 0.250 ug/L J 0.250 | | | 1000024 |
| EPA 8260B 2,2-Dichloropropane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 2-Chlorotoluene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B 4-Chlorotoluene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Acrylonitrile < 1.00 ug/L J 1.00 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B Adamantane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Allyl chloride < 1.00 ug/L J 1.00 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B Benzene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Bromobenzene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Bromochloromethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Bromodichloromethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Bromoform < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Bromomethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Carbon tetrachloride < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Chlorobenzene < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Chlorodibromomethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Chloroethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Chloroform < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |
| EPA 8260B Chloromethane < 0.250 ug/L J 0.250 | | | 1000024 |
| EPA 8260B cis-1,2-Dichloroethene < 0.250 ug/L J 0.250 | | | 1000024 |
| EPA 8260B cis-1,3-Dichloropropene < 0.250 ug/L J 0.250 | | | 1000024 |
| EPA 8260B | | VCM | 1000024 |
| EPA 8260B Dichlorodifluoromethane < 0.250 ug/L J 0.250 | 0 1 01/27/2010 | VCM | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 154 of 291

| Project: Pav | illion#1 2010 LSR No: 1001-0 | 004 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | Certif | icate of | Analysis |
|--------------|------------------------------|--------------|---|---|-------|---|------------|----------|----------|
| Volatile Or | ganic Compounds by EPA | Method 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: | 1,2-Dichloroethane-d4 | 102 % | Limit 70-12 | 0 | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: | 4-Bromofluorobenzene | 99.5 % | Limit 75-12 | 0 | | 1 | 01/27/2010 | VCM | 1000024 |

102 %

100 %

Limit 85-115

Limit 85-120

1 01/27/2010 VCM 1000024

1 01/27/2010 VCM 1000024

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW22 01/18/10 13:45 1001003 Date / Time Sampled: Workorder Matrix: Water Lab Number: 1001003-07 E EPA Tag No.:

| | | | | Qual- | Report | Dilution | | 20007 |
|-----------|-----------------------------|---------|-------|-------|--------|------------|-----------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Ana | lyzed By | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | 2010 VCM | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 156 of 291

Print Date: 09-Jun-2011 Amended Report - Amendment 2

| Project: Pavi | Ilion#1 2010 LSR No: 1001-004 | - | | | | | Certif | icate of | Analysis |
|---------------|-------------------------------|-----------|--------------|---|-------|---|------------|----------|----------|
| Volatile Org | anic Compounds by EPA Met | hod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 106 % | Limit 70-120 |) | | 1 | 01/27/2010 | VCM | 1000024 |

98.0 %

102 %

100 %

Limit 75-120

Limit 85-115

Limit 85-120

1 01/27/2010 VCM 1000024

01/27/2010 VCM 1000024

01/27/2010 VCM 1000024

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW23 Date / Time Sampled: 01/18/10 10:55 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-08 E

| | | | | Qual- | Report | Dilution | | 10007 |
|-----------|-----------------------------|---------|-------|-------|--------|------------|----------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Ana | lyzed By | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | j | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | j | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27/ | 2010 VCM | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 158 of 291

| Project: Pav | | . 2 | | Certif | icate of | Analysis | | | |
|--------------|-----------------------------|----------|--------------|--------|----------|----------|------------|-----|---------|
| Volatile Or | ganic Compounds by EPA Meth | od 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: | 1,2-Dichloroethane-d4 | 102 % | Limit 70-120 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: | 4-Bromofluorobenzene | 102 % | Limit 75-120 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: | Dibromofluoromethane | 101 % | Limit 85-115 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: | Toluene-d8 | 99.0 % | Limit 85-120 | | | 1 | 01/27/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW25 Date / Time Sampled: 01/19/10 13:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-09 E

| | | | | Qual- | Report | Dilution | 000000 | 20007 |
|-----------|-----------------------------|---------|-------|-------|--------|------------|-----------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Ana | lyzed By | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | j | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 01/27 | /2010 VCM | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 160 of 291

| Project: Pavi | llion#1 2010 LSR No: 1001-004 | | | | - | Certif | icate of | Analysis | |
|---------------|-------------------------------|---------|--------------|---|-------|--------|------------|----------|---------|
| Volatile Org | anic Compounds by EPA Metho | d 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 104 % | Limit 70-120 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: 4 | l-Bromofluorobenzene | 97.5 % | Limit 75-120 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: L | Dibromofluoromethane | 103 % | Limit 85-115 | | | 1 | 01/27/2010 | VCM | 1000024 |
| Surrogate: 7 | oluene-d8 | 98.5 % | Limit 85-120 | | | 1 | 01/27/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW30 Date / Time Sampled: 01/18/10 14:40 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-10 E

| \$ 4 4 5 0 D | | | | Qual- | Report | Dilut | ion | | |
|------------------------|---|---------|--------------|--------|----------------|-------|--------------------------|--------|--------------------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | 1.81 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | .i | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | 1 | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L ug/L | ı | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | | ı | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | ı | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | | < 0.250 | ug/L | ı | | | | | |
| EPA 8260B EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 0.250 | 1 | 01/28/2010 01/28/2010 | | 1000024 1000024 |
| | cis-1,3-Dichloropropene | | ug/L | J I | | 1 | | | |
| EPA 8260B | Dibromomethane Dichlorodiffueremethane | < 0.250 | ug/L | ı | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | v CIVI | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 162 of 291

| Project: Pavi | Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis | | | | | | | | |
|---------------|--|---------|--------------|---|-------|---|------------|-----|---------|
| Volatile Org | anic Compounds by EPA Metho | d 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 106 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | l-Bromofluorobenzene | 95.0 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: L | Dibromofluoromethane | 102 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 7 | oluene-d8 | 98.5 % | Limit 85-120 | | | 1 | 01/28/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station I D: PGDW32 Date / Time Sampled: 01/20/10 13:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-11 E

| \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | | Qual- | Report | Diluti | ion | | |
|-------------------------------|-----------------------------|---------|-------|-------|--------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | 0.300 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | j | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 164 of 291

| Project: Pavi | llion#1 2010 LSR No: 1001-004 | ort riment | | · Zimenue | | Certif | icate of | Analysis | |
|---------------|-------------------------------|------------|--------------|-----------|-------|--------|------------|----------|---------|
| Volatile Org | ganic Compounds by EPA Me | thod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 100 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | 1-Bromofluorobenzene | 101 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: L | Dibromofluoromethane | 100 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |
| | | | | | | | | | |

99.5 %

Limit 85-120

Print Date: 09-Jun-2011

1 01/28/2010 VCM 1000024

Project: Pavillion#1 2010 LSR No: 1001-004

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW39 Date / Time Sampled: 01/19/10 10:25 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-12 E

| Method Parameter Results Units Qual fifler Report Loss Dilution Factor Analyzed By Batch EPA 8260B 1,1,1,2-Tetrachloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000022 EPA 8260B 1,1,1-Trichloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000022 EPA 8260B 1,1,2-Trichloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000022 EPA 8260B 1,1-Dichloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 100002 EPA 8260B 1,1-Dichloropthane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 100002 EPA 8260B 1,1-Dichloropthane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 100002 EPA 8260B 1,2-Trichlorobenzene < 0.250 ug/L J 0. |
|---|
| EPA 8260B 1,1,1-Trichloroethane < 0.250 |
| EPA 8260B 1,1,2,2-Tetrachloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 100022 EPA 8260B 1,1,2-Trichloroethane < 0.250 |
| EPA 8260B 1,1,2-Trichloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,1-Dichloroethane < 0.250 |
| EPA 8260B 1,1,2-Trichloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,1-Dichloroethane < 0.250 |
| EPA 8260B 1,1-Dichloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,1-Dichloroethene < 0.250 |
| EPA 8260B 1,1-Dichloropropene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,2,3-Trichlorobenzene < 0.250 |
| EPA 8260B 1,2,3-Trichlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,2,3-Trichloropropane < 0.250 |
| EPA 8260B 1,2,3-Trichlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,2,3-Trichloropropane < 0.250 |
| EPA 8260B 1,2,3-Trichloropropane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,2,4-Trichlorobenzene < 0.250 |
| EPA 8260B 1,2,4-Trichlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,2,4-Trimethylbenzene < 0.250 |
| EPA 8260B 1,2,4-Trimethylbenzene < 0.250 |
| EPA 8260B 1,2-Dibromo-3-chloropropane < 0.250 |
| EPA 8260B 1,2-Dibromoethane (EDB) < 0.250 |
| EPA 8260B 1,2-Dichlorobenzene < 0.250 |
| EPA 8260B 1,2-Dichloroethane < 0.250 |
| EPA 8260B 1,2-Dichloropropane < 0.250 |
| EPA 8260B 1,3-Dichlorobenzene < 0.250 |
| EPA 8260B 1,3-Dichlorobenzene < 0.250 |
| EPA 8260B 1,3-Dichloropropane < 0.250 |
| EPA 8260B 1,4-Dichlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 2,2-Dichloropropane < 0.250 |
| EPA 8260B 1,4-Dichlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 2,2-Dichloropropane < 0.250 |
| EPA 8260B 2,2-Dichloropropane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 2-Chlorotoluene < 0.250 |
| EPA 8260B 2-Chlorotoluene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| |
| - 0.200 ug/L • 0.200 i 01/20/2010 v 01/1 100002- |
| EPA 8260B Acrylonitrile < 1.00 ug/L J 1.00 1 01/28/2010 VCM 1000024 |
| EPA 8260B Adamantane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Allyl chloride < 1.00 ug/L J 1.00 1 01/28/2010 VCM 1000024 |
| EPA 8260B Benzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Bromobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Bromochloromethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Bromodichloromethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Bromoform < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Bromomethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Carbon disulfide < 0.500 ug/L J 0.500 1 01/28/2010 VCM 1000024 |
| EPA 8260B Carbon tetrachloride < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Chlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Chlorodibromomethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Chloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Chloroform < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Chloromethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B cis-1,2-Dichloroethene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B cis-1,3-Dichloropropene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Dibromomethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Dichlorodifluoromethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 166 of 291

Amended Report - Amendment 2

EPAPAV0128465

Print Date: 09-Jun-2011

Certificate of Analysis

| Project: Pavi | Ilion#1 2010 LSR No: 1001-004 | | | | | Certif | icate of | Analysis | |
|---------------|-------------------------------|----------|------|---|-------|--------|------------|----------|---------|
| Volatile Org | anic Compounds by EPA Meth | od 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |

< 0.250

106 %

99.5 %

104 %

99.5 %

ug/L

Limit 70-120

Limit 75-120

Limit 85-115

Limit 85-120

01/28/2010 VCM 1000024

0.250 1

1

EPA 8260B

Vinyl chloride

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW40 Date / Time Sampled: 01/21/10 12:40 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-13 E

| \$ 4 4 5 0 D | | | | Qual- | Report | Dilut | ion | | |
|--------------|---|---------|--------------|--------|--------|-------|-------------|-------|---------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | 0.360 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | j | 1.00 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/∟ ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | ı | 0.500 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L ug/L | .1 | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L ug/L | 1 | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L ug/L | ı | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | | ı | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | ı | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | ı | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | | | ug/L | J | | 1 | | | |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J I | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Dibromomethane Dishlara diffusionmethans | < 0.250 | ug/L | J i | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | V CIM | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 168 of 291

| Project: Pavillion#1 2010 LSR No: 1001-004 | | | | | | | Certif | icate of | Analysis |
|--|---------------------------|-----------|------|---|-------|---|------------|----------|----------|
| Volatile Org | anic Compounds by EPA Met | hod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |

ug/L

Limit 70-120

Limit 75-120

Limit 85-115

Limit 85-120

0.250

1

< 0.250

106 %

98.5 %

104 %

100 %

01/28/2010 VCM 1000024

01/28/2010 VCM 1000024

01/28/2010 VCM 1000024

01/28/2010 VCM 1000024

VCM 1000024

01/28/2010

EPA 8260B

Vinyl chloride

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW41 Date / Time Sampled: 01/21/10 15:58 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-14 E

| ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | | | | Qual- | Report | Dilutio | n | 1801 NOT 1801 N | |
|---------------------|-----------------------------|---------|-------|-------|--------|---------|------------|-----------------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 170 of 291

| Project: Pavi | Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis | | | | | | | | |
|---------------|--|---------|--------------|---|-------|---|------------|-----|---------|
| Volatile Org | anic Compounds by EPA Metho | d 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 104 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |

100 %

102 %

100 %

Limit 75-120

Limit 85-115

Limit 85-120

1 01/28/2010 VCM 1000024

1 01/28/2010 VCM 1000024

01/28/2010 VCM 1000024

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW42 Date / Time Sampled: 01/19/10 11:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-15 E

| ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | | | | Qual- | Report | Dilutio | n | 1801 NOT 1801 N | |
|---------------------|-----------------------------|---------|-------|-------|--------|---------|------------|-----------------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 172 of 291

| Project: Pavillion#1 2010 LSR No: 1001-004 | | | | | | | Certif | icate of | Analysis |
|--|-----------------------------|---------|--------------|---|-------|---|------------|----------|----------|
| Volatile Org | anic Compounds by EPA Metho | d 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 102 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | -Bromofluorobenzene | 99.5 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| | | | | | | | | | |

102 %

98.0 %

Limit 85-115

Limit 85-120

1 01/28/2010 VCM 1000024

1 01/28/2010 VCM 1000024

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW43 Date / Time Sampled: 01/21/10 13:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-16 E

| | | | | Qual- Report Dilution | | | | | | | |
|-----------|-----------------------------|---------|-------|-----------------------|-------|---|-------------|-----|---------|--|--|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch | | |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Adamantane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Benzene | 0.540 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 | | |
| | | | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 174 of 291

| Project: Pavillion#1 2010 LSR No: 1001-004 | | | | | | | Certificate of Analysis | | |
|--|------------------------------|----------|--------------|---|-------|---|-------------------------|-----|---------|
| Volatile Org | ganic Compounds by EPA Metho | od 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | 0.300 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | 1,2-Dichloroethane-d4 | 106 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | 1-Bromofluorobenzene | 97.5 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: l | Dibromofluoromethane | 102 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | Toluene-d8 | 99.5 % | Limit 85-120 | | | 1 | 01/28/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW44 Date / Time Sampled: 01/18/10 12:15 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-17 E

| ~~~~~ | | 2424556 | | Qual- | Report | Diluti | ion | W W W V | |
|-----------|-----------------------------|---------|-------|-------|--------|--------|-------------|---------|---------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 176 of 291

Amended Report - Amendment 2

| Project: Pavillion#1 2010 LSR No: 1001-004 | | | | | | | Certificate of Analysis | | |
|--|----------------------------|----------|--------------|---|-------|---|-------------------------|-----|---------|
| Volatile Org | anic Compounds by EPA Meth | od 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 107 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | -Bromofluorobenzene | 96.5 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |

104 %

100 %

Limit 85-115

Limit 85-120

1 01/28/2010 VCM 1000024

1 01/28/2010 VCM 1000024

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW45 01/18/10 13:10 1001003 Date / Time Sampled: Workorder Matrix: Water Lab Number: 1001003-18 E EPA Tag No.:

| No. 41l | | | | | | | | | |
|-----------|-----------------------------|---------|-------|----------------|-----------------|--------------------|------------|-----|---------|
| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Dilution Factor | Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | VCM | |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | j | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 178 of 291

Print Date: 09-Jun-2011 Amended Report - Amendment 2

| Project: Pavillion#1 2010 LSR No: 1001-004 Certificate | | | | | | | | icate of | Analysis |
|--|----------------------------|----------|------|---|-------|---|------------|----------|----------|
| Volatile Org | anic Compounds by EPA Meth | od 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |

ug/L

ug/L

ug/L

Limit 70-120

Limit 75-120

Limit 85-115

Limit 85-120

j

J

0.250

0.250

0.250

1

1

< 0.250

< 0.250

< 0.250

104 %

99.0 %

102 %

98.5 %

01/28/2010 VCM 1000024

VCM

01/28/2010 VCM 1000024

VCM 1000024

VCM 1000024

VCM 1000024

VCM 1000024

1000024

01/28/2010

01/28/2010

01/28/2010

01/28/2010

01/28/2010

EPA 8260B

EPA 8260B

EPA 8260B

Trichloroethene

Vinyl chloride

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Surrogate: Toluene-d8

Trichlorofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW46 Date / Time Sampled: 01/20/10 10:20 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-19 E

| ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | | | | Qual- | Report | Dilutio | n | 1801 NOT 1801 N | |
|---------------------|-----------------------------|---------|-------|-------|--------|---------|------------|-----------------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 180 of 291

| | | | | | | | 00 | ioato oi rimaryono |
|------------|-------------------------|----------------|------|---|-------|---|------------|--------------------|
| Volatile O | ganic Compounds by EP | A Method 8260B | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| | | | | | | | | |

ug/L

ug/L

ug/L

ug/L

ug/L

Limit 70-120

Limit 75-120

Limit 85-115

Limit 85-120

J

J

j

J

J

0.250

0.250

0.250

0.250

0.250

1

1

1

1

01/28/2010 VCM 1000024

VCM 1000024

01/28/2010

< 0.250

< 0.250

< 0.250

< 0.250

< 0.250

143 %

99.5 %

111 %

96.0 %

Certificate of Analysis

Project: Pavillion#1 2010 LSR No: 1001-004

trans-1,2-Dichloroethene

Trichlorofluoromethane

Trichloroethene

Vinyl chloride

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Surrogate: Toluene-d8

trans-1,3-Dichloropropene

EPA 8260B

EPA 8260B

EPA 8260B

EPA 8260B

EPA 8260B

Project: Pavillion#1 2010 LSR No: 1001-004 **Certificate of Analysis**

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW47 01/19/10 11:55 1001003 Date / Time Sampled: Workorder Matrix: Water Lab Number: 1001003-20 E EPA Tag No.:

| | | | Dilution | | | | |
|---|-------------|-----|----------|--|--|--|--|
| | or Analyzed | Ву | Batch | | | | |
| EPA 8260B 1,1,1,2-Tetrachloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,1,1-Trichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,1,2,2-Tetrachloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,1,2-Trichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,1-Dichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,1-Dichloroethene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,1-Dichloropropene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,2,3-Trichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,2,3-Trichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,2,4-Trichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,2,4-Trimethylbenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,2-Dibromo-3-chloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,2-Dibromoethane (EDB) < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,2-Dichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,2-Dichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,2-Dichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,3,5-Trimethylbenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,3-Dichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,3-Dichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,3-Dimethyl adamantane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 1,4-Dichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 2,2-Dichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 2-Chlorotoluene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B 4-Chlorotoluene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Acrylonitrile < 1.00 ug/L J 1.00 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Adamantane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Allyl chloride < 1.00 ug/L J 1.00 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Benzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Bromobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Bromochloromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Bromodichloromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Bromoform < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Bromomethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Carbon disulfide < 0.500 ug/L J 0.500 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Chlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Chlorodibromomethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Chloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Chloroform < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Chloromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B cis-1,2-Dichloroethene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B cis-1,3-Dichloropropene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Dibromomethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |
| EPA 8260B Dichlorodifluoromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 182 of 291

Print Date: 09-Jun-2011 Amended Report - Amendment 2

| Project: Pavil | lion#1 2010 LSR No: 1001-004 | r | | | | | Certif | icate of | Analysis |
|----------------|------------------------------|------------|--------------|---|-------|---|------------|----------|----------|
| Volatile Org | anic Compounds by EPA Me | thod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | 2-Dichloroethane-d4 | 108 % | Limit 70-120 |) | | 1 | 01/28/2010 | VCM | 1000024 |

99.0 %

102 %

99.5 %

Limit 75-120

Limit 85-115

Limit 85-120

1 01/28/2010 VCM 1000024

1 01/28/2010 VCM 1000024

01/28/2010 VCM 1000024

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW48 Date / Time Sampled: 01/20/10 13:25 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-21 E

| ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | | | | Qual- | Report | Dilutio | n | 1801 NOT 1801 N | |
|---------------------|-----------------------------|---------|-------|-------|--------|---------|------------|-----------------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 184 of 291

Print Date: 09-Jun-2011

Certificate of Analysis

| Project: Pavi | illion#1 2010 LSR No: 1001-004 | Amended Repo 4 | nt - Amei | numen | Amenue | -u | Certif | icate of Analysis |
|---------------|--------------------------------|-------------------|-----------|-------|--------|----|------------|-------------------|
| Volatile Org | ganic Compounds by EPA Me | ethod 8260B | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM 1000024 |

< 0.250

105 %

99.0 %

102 %

99.5 %

ug/L

Limit 70-120

Limit 75-120

Limit 85-115

Limit 85-120

1

01/28/2010

01/28/2010

VCM 1000024

VCM 1000024

01/28/2010 VCM 1000024

01/28/2010 VCM 1000024

01/28/2010 VCM 1000024

0.250

EPA 8260B

Vinyl chloride

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGDW49 01/22/10 09:30 1001003 Date / Time Sampled: Workorder Matrix: Water Lab Number: 1001003-22 E EPA Tag No.:

| ~~~~~ | | | | Qual- | Report | Dilution | 1 | Ser ser ser se | 1.00.00.00.00 |
|-----------|-----------------------------|---------|--------------|-------|--------|----------|------------|----------------|---------------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | | 0.250 | | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| | | | 3 · – | - | | • | | | • |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 186 of 291

| | | Amended Repo | ort - Amendr | nent | 2mend | ed | | | |
|--------------|-------------------------------|--------------|--------------|------|-------|----|------------|----------|------------|
| Project: Pav | illion#1 2010 LSR No: 1001-00 | | | | | | Certif | icate of | f Analysis |
| Volatile Or | ganic Compounds by EPA M | ethod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | 0.330 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | 1,2-Dichloroethane-d4 | 105 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | 4-Bromofluorobenzene | 97.0 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | Dibromofluoromethane | 103 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | Toluene-d8 | 101 % | Limit 85-120 | | | 1 | 01/28/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGMW01 Date / Time Sampled: 01/21/10 10:50 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-24 E

| Method | Parameter | Results | Units | Qual- ifier | Report Limit | Diluti Facto | on or Analyzed | Ву | Batch |
|----------------|-------------------------------|---------|--------------|----------------|-----------------|-----------------|-------------------|------------|---------|
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | 2.60 | ug/L | J | 2.50 | 10 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | 0.330 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | j | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | 2.10 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | 95.0 | ug/L | J | 2.50 | 10 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| 1001002,100100 | 3,1001005 FINAL 06 09 11 1029 | Page | : 188 of 291 | | | | Print Da | te : 09-Ju | ın-2011 |

Amended Report - Amendment 2

| Project: Pavi | llion#1 2010 LSR No: 1001-0 | 04 | | | | | Certif | icate of | Analysis |
|---------------|-----------------------------|--------------|------|---|-------|---|------------|----------|----------|
| Volatile Org | anic Compounds by EPA N | lethod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | 1.24 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | 2.05 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |

ug/L

ug/L

ug/L

Limit 70-120

Limit 75-120

Limit 85-115

Limit 85-120

J

J

0.250

0.250

0.250

1

01/28/2010

01/28/2010

01/28/2010

01/28/2010

01/28/2010

01/28/2010

VCM 1000024

VCM 1000024

VCM 1000024

VCM 1000024

VCM 1000024

VCM 1000024

01/28/2010 VCM 1000024

< 0.250

< 0.250

< 0.250

100 %

102 %

98.5 %

99.5 %

EPA 8260B

EPA 8260B

EPA 8260B

Trichloroethene

Vinyl chloride

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Surrogate: Toluene-d8

Trichlorofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGMW01D 01/21/10 10:50 1001003 Date / Time Sampled: Workorder Matrix: Water Lab Number: 1001003-25 E EPA Tag No.:

| | | | | Qual- | Report | Dilutio | | | |
|----------------|-------------------------------|---------|------------|-------|--------|---------|------------|------------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | 4.22 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | 0.330 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | j | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | 1.78 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | 91.6 | ug/L | J | 2.50 | 10 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| 1001002,100100 | 3,1001005 FINAL 06 09 11 1029 | Page | 190 of 291 | | | | Print Da | te : 09-Ju | n-2011 |

Page 190 of 291

Amended Report - Amendment 2

Certificate of Analysis

| Project: Pavi | Ilion#1 2010 LSR No: 1001-004 | enucu rep | ort - micha | illi | t zamende | u | Certif | icate of | Analysis |
|---------------|-------------------------------|-----------|--------------|------|-----------|---|------------|----------|----------|
| Volatile Org | anic Compounds by EPA Metho | d 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | 0.620 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | 1.60 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 100 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | -Bromofluorobenzene | 100 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: E | Dibromofluoromethane | 101 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |
| | | | | | | | | | |

100 %

Limit 85-120

1 01/28/2010 VCM 1000024 1 01/28/2010 VCM 1000024

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGMW02 Date / Time Sampled: 01/21/10 15:15 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-26 E

| | • | . | | Qual- | | Dilutio | | | 5 / · |
|----------------|--------------------------------|----------|------------|-------|-------|---------|------------|------------|--------------|
| Method | Parameter | Results | Units | ifier | Limit | | Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | 12.0 | ug/L | J | 2.50 | 10 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | 0.640 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | j | 1.00 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Adamantane | 3.86 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Benzene | 130 | | J | 6.25 | 25 | | | 1000024 |
| | | | ug/L | | | | 01/28/2010 | | |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L " | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| 1001002,100100 | 03,1001005 FINAL 06 09 11 1029 | Page | 192 of 291 | | | | Print Da | te : 09-Ju | ın-2011 |

Amended Report - Amendment 2

| Project: Pavi | llion#1 2010 LSR No: 1001-00 | Amenaea Kep 4 | ort - Ament | ımen | t Amenu | eu | Certif | icate of | f Analysis |
|---------------|------------------------------|------------------|--------------|------|---------|----|------------|----------|------------|
| Volatile Org | ganic Compounds by EPA M | ethod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | 1.60 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | 1.26 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | j | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | 179 | ug/L | j | 6.25 | 25 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | 0.780 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-Isopropyltoluene | 0.610 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | 9.68 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | 1,2-Dichloroethane-d4 | 104 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | 1-Bromofluorobenzene | 116 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: L | Dibromofluoromethane | 98.5 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | Toluene-d8 | 99.5 % | Limit 85-120 | | | 1 | 01/28/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGMW03 Date / Time Sampled: 01/21/10 14:30 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-27 E

| ~ * * * * * * * | | | | Qual- | Report | Dilutio | n | TEST NEW YORK | |
|-----------------|-----------------------------|---------|-------|-------|--------|---------|------------|---------------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | 14.1 | ug/L | J | 2.50 | 10 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | 19.7 | ug/L | J | 2.50 | 10 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | 0.290 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | 2.38 | ug/∟ | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | j | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | 3.06 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 194 of 291

| | | Amended Rep | ort - Amena | lmen | t Amendo | ed | | | |
|---------------|------------------------------|--------------|--------------|------|----------|----|------------|----------|----------|
| Project: Pavi | llion#1 2010 LSR No: 1001-00 | | | | | | Certif | icate of | Analysis |
| Volatile Org | ganic Compounds by EPA N | lethod 8260B | | | | | | | |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | 5.25 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | 1.14 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | 51.1 | ug/L | J | 2.50 | 10 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | 14.8 | ug/L | j | 2.50 | 10 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | 1.28 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-Isopropyltoluene | 1.52 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | 5.79 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | 1,2-Dichloroethane-d4 | 96.5 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | 1-Bromofluorobenzene | 95.5 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: L | Dibromofluoromethane | 101 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | Toluene-d8 | 100 % | Limit 85-120 | | | 1 | 01/28/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGPW01 01/20/10 08:30 1001003 Date / Time Sampled: Workorder Matrix: Water Lab Number: 1001003-28 E EPA Tag No.:

| Method Parameter Results Units ifier Limit Factor | | | |
|---|------------|-----|---------|
| | r Analyzed | Ву | Batch |
| EPA 8260B 1,1,1,2-Tetrachloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1,1-Trichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1,2,2-Tetrachloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1,2-Trichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloroethene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloropropene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2,3-Trichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2,3-Trichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2,4-Trichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2,4-Trimethylbenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dibromo-3-chloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dibromoethane (EDB) < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,3,5-Trimethylbenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,3-Dichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,3-Dichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,3-Dimethyl adamantane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,4-Dichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 2,2-Dichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 2-Chlorotoluene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 4-Chlorotoluene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Acrylonitrile < 1.00 ug/L J 1.00 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Adamantane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Allyl chloride < 1.00 ug/L J 1.00 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Benzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Bromobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Bromochloromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Bromodichloromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Bromoform < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Bromomethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Carbon disulfide < 0.500 ug/L J 0.500 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Chlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Chlorodibromomethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Chloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Chloroform < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Chloromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B cis-1,2-Dichloroethene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B cis-1,3-Dichloropropene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Dibromomethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Dichlorodifluoromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 196 of 291

Print Date: 09-Jun-2011 Amended Report - Amendment 2

Certificate of Analysis

| Project: Pav | illion#1 2010 LSR No: 1001-004 | | | | | | Certif | icate of | Analysis |
|--------------|--------------------------------|-----------|--------------|---|-------|---|------------|----------|----------|
| Volatile Org | ganic Compounds by EPA Met | hod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | 1,2-Dichloroethane-d4 | 102 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | 4-Bromofluorobenzene | 99.5 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: i | Dibromofluoromethane | 103 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | Toluene-d8 | 99.5 % | Limit 85-120 | | | 1 | 01/28/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGPW02 Date / Time Sampled: 01/20/10 08:35 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-29 E

| | | | | Qual- | Report | Dilution | | 10007 |
|-----------|-----------------------------|---------|-------|-------|--------|----------------|-------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyze | Н Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/28/201 |) VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/28/201 |) VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/28/201 |) VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/28/201 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 01/28/201 |) VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | 1 01/28/201 |) VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/28/2019 |) VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 01/28/201 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/28/201 |) VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/28/201 |) VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | J | 0.250 | 1 01/28/201 |) VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 01/28/2019 |) VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/28/201 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | j | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | j | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 |) VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 01/28/2010 | VCM | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 198 of 291

| Project: Pavil | Ar lion#1 2010 LSR No: 1001-004 | nended Repo | ort - Amer | ıdment | A mende | ed | Certif | icate of | f Analysis |
|----------------|------------------------------------|-------------|------------|--------|----------------|----|------------|----------|------------|
| Volatile Org | anic Compounds by EPA Meth | od 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |

99.5 %

98.0 %

102 %

98.5 %

Limit 70-120

Limit 75-120

Limit 85-115

Limit 85-120

01/28/2010 VCM 1000024

01/28/2010 VCM 1000024

01/28/2010 VCM 1000024

01/28/2010 VCM 1000024

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 4-Bromofluorobenzene

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGSW01 Date / Time Sampled: 01/18/10 17:00 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-39 E

| | r Analyzed | | |
|---|------------|-----|---------|
| FDA 0000D 4.4.4.0 Tetrackleresthere | • | Ву | Batch |
| EPA 8260B 1,1,1,2-Tetrachloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1,1-Trichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1,2,2-Tetrachloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1,2-Trichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloroethene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,1-Dichloropropene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2,3-Trichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2,3-Trichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2,4-Trichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2,4-Trimethylbenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dibromo-3-chloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dibromoethane (EDB) < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dichloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,2-Dichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,3,5-Trimethylbenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,3-Dichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,3-Dichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,3-Dimethyl adamantane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 1,4-Dichlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 2,2-Dichloropropane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 2-Chlorotoluene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B 4-Chlorotoluene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Acrylonitrile < 1.00 ug/L J 1.00 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Adamantane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Allyl chloride < 1.00 ug/L J 1.00 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Benzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Bromobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Bromochloromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Bromodichloromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Bromoform < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Bromomethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Carbon disulfide < 0.500 ug/L J 0.500 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Chlorobenzene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Chlorodibromomethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Chloroethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Chloroform < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Chloromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B cis-1,2-Dichloroethene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B cis-1,3-Dichloropropene < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Dibromomethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B Dichlorodifluoromethane < 0.250 ug/L J 0.250 1 | 01/28/2010 | VCM | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 200 of 291

| Project: Pavi | illion#1 2010 LSR No: 1001-00 | 14 | | | | | Certif | icate of | Analysis |
|---------------|-------------------------------|--------------|--------------|---|-------|---|------------|----------|----------|
| Volatile Org | ganic Compounds by EPA M | lethod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | lodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | 1,2-Dichloroethane-d4 | 100 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | 4-Bromofluorobenzene | 97.0 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: I | Dibromofluoromethane | 102 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | Toluene-d8 | 99.0 % | Limit 85-120 | | | 1 | 01/28/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGSW02 Date / Time Sampled: 01/19/10 13:00 Workorder 1001003 EPA Tag No.: Matrix: Water Lab Number: 1001003-40 E

| Method Parameter Results Units Gual-fifer Report Limit Dilution Factor Analyzed By Batch EPA 8260B 1,1,1,2-Tetrachloroethane < 0.250 ug/L J 0.250 1 0.1/28/2010 VCM 1000024 EPA 8260B 1,1,1-Trichloroethane < 0.250 ug/L J 0.250 1 0.1/28/2010 VCM 1000024 EPA 8260B 1,1,2-Trichloroethane < 0.250 ug/L J 0.250 1 0.1/28/2010 VCM 1000024 EPA 8260B 1,1-Dichloroethane < 0.250 ug/L J 0.250 1 0.1/28/2010 VCM 1000024 EPA 8260B 1,1-Dichloroethane < 0.250 ug/L J 0.250 1 0.1/28/2010 VCM 1000024 EPA 8260B 1,1-Dichloroethane < 0.250 ug/L J 0.250 1 0.1/28/2010 VCM 1000024 EPA 8260B 1,2-Trichlorobenzene < 0.250 ug/L J 0.250 |
|---|
| EPA 8260B 1,1,1-Trichloroethane < 0,250 |
| EPA 8260B 1,1,1-Trichloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,1,2-Trichloroethane < 0.250 |
| EPA 8260B 1,1,2-Trichloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,1-Dichloroethane < 0.250 |
| EPA 8260B 1,1,2-Trichloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,1-Dichloroethane < 0.250 |
| EPA 8260B 1,1-Dichloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,1-Dichloroethene < 0.250 |
| EPA 8260B 1,1-Dichloropropene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,2,3-Trichlorobenzene < 0.250 |
| EPA 8260B 1,2,3-Trichlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,2,3-Trichloropropane < 0.250 |
| EPA 8260B 1,2,3-Trichlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000224 EPA 8260B 1,2,3-Trichloropropane < 0.250 |
| EPA 8260B 1,2,3-Trichloropropane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,2,4-Trichlorobenzene < 0.250 |
| EPA 8260B 1,2,4-Trichlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,2,4-Trimethylbenzene < 0.250 |
| EPA 8260B 1,2,4-Trimethylbenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,2-Dibromo-3-chloropropane < 0.250 |
| EPA 8260B 1,2-Dibromo-3-chloropropane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 1,2-Dibromoethane (EDB) < 0.250 |
| EPA 8260B 1,2-Dibromoethane (EDB) < 0.250 |
| EPA 8260B 1,2-Dichlorobenzene < 0.250 |
| EPA 8260B 1,2-Dichloroethane < 0.250 |
| EPA 8260B 1,2-Dichloropropane < 0.250 |
| EPA 8260B 1,3,5-Trimethylbenzene < 0.250 |
| EPA 8260B 1,3-Dichlorobenzene < 0.250 |
| EPA 8260B 1,3-Dichloropropane < 0.250 |
| EPA 8260B 1,4-Dichlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 2,2-Dichloropropane < 0.250 |
| EPA 8260B 1,4-Dichlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 2,2-Dichloropropane < 0.250 |
| EPA 8260B 2,2-Dichloropropane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 2-Chlorotoluene < 0.250 |
| EPA 8260B 2-Chlorotoluene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 EPA 8260B 4-Chlorotoluene < 0.250 |
| EPA 8260B 4-Chlorotoluene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| |
| EPA 8260B Acrylonitrile < 1.00 ug/L J 1.00 1 01/28/2010 VCM 1000024 |
| EPA 8260B Adamantane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Allyl chloride < 1.00 ug/L J 1.00 1 01/28/2010 VCM 1000024 |
| EPA 8260B Benzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Bromobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Bromochloromethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Bromodichloromethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Bromoform < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Bromomethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Carbon disulfide < 0.500 ug/L J 0.500 1 01/28/2010 VCM 1000024 |
| EPA 8260B Carbon tetrachloride < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Chlorobenzene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Chlorodibromomethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Chloroethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Chloroform < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Chloromethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B cis-1,2-Dichloroethene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B cis-1,3-Dichloropropene < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Dibromomethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |
| EPA 8260B Dichlorodifluoromethane < 0.250 ug/L J 0.250 1 01/28/2010 VCM 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 202 of 291

| Project: Pavi | Ilion#1 2010 LSR No: 1001-004 | 4 | | | | | Certif | icate of | f Analysis |
|---------------|-------------------------------|-------------|--------------|---|-------|---|------------|----------|------------|
| Volatile Org | ganic Compounds by EPA M | ethod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | 1,2-Dichloroethane-d4 | 99.5 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | 1-Bromofluorobenzene | 96.0 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: L | Dibromofluoromethane | 102 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |

98.5 %

Limit 85-120

1 01/28/2010 VCM 1000024

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGSW02D 01/19/10 13:00 1001003 Date / Time Sampled: Workorder Matrix: Water Lab Number: 1001003-41 E EPA Tag No.:

| EFA Tay No | | Wayıx. | uter | 0 | Report | Dilution | 00000 | J03-41 L | |
|------------|-----------------------------|---------|-------|----------------|--------|----------|------------|----------|---------|
| Method | Parameter | Results | Units | Qual- ifier | Limit | | Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | VCM | |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | j | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1.2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | j | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | j | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | | 01/28/2010 | | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 (| 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 (| 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 (| 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 (| 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 (| 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 (| 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 (| 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | j | 0.250 | 1 (| 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 (| 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | j | 0.250 | 1 (| 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 (| 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | | 01/28/2010 | VCM | 1000024 |
| | | | - | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 204 of 291

Print Date: 09-Jun-2011 Amended Report - Amendment 2

| | A | mended Rep | ort - Amend | lmen | t Amendo | ed | | | |
|---------------|---|------------|--------------|------|----------|----|------------|----------|----------|
| Project: Pavi | llion#1 2010 LSR No: 1001-004 | • | | | | | Certif | icate of | Analysis |
| Volatile Org | ganic Compounds by EPA Met <mark>l</mark> | nod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | 1,2-Dichloroethane-d4 | 102 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | 1-Bromofluorobenzene | 98.5 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: L | Dibromofluoromethane | 104 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |

98.5 %

Limit 85-120

1 01/28/2010 VCM 1000024

Project: Pavillion#1 2010 LSR No: 1001-004

Volatile Organic Compounds by EPA Method 8260B

01/20/10 15:35 1001003 Workorder

Certificate of Analysis

Station ID: PGSW03 Date / Time Sampled: Matrix: Water Lab Number: 1001003-42 E EPA Tag No.:

| A 100 400 100 100 10 | THE CORP. WHEN CHIEF CHI | man, amin, amin | W 1420 1420 1420 1420 1 | Qual- | Report | Dilutio | n | ATRI 455. ATRI. 45 | h 451 401 401 4 |
|----------------------|--|---|-------------------------|-------|--------|---------|------------|--------------------|-----------------|
| Method | Parameter | Results | Units | ifier | Limit | Factor | Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | | | - | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 206 of 291

| Project: Pavillion#1 2010 LSR No: 1001-004 | | | | | | Certif | icate of | Analysis | |
|--|---------------------------|--------------|-------------|---|-------|--------|------------|----------|---------|
| Volatile Or | ganic Compounds by EPA | Method 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Isopropylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | 1,2-Dichloroethane-d4 | 103 % | Limit 70-12 | 0 | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | 4-Bromofluorobenzene | 96.0 % | Limit 75-12 | 0 | | 1 | 01/28/2010 | VCM | 1000024 |

Limit 85-115

Limit 85-120

102 %

98.0 %

1 01/28/2010 VCM 1000024

1 01/28/2010 VCM 1000024

Surrogate: Dibromofluoromethane

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGSW04 Date / Time Sampled: 01/20/10 16:20 Workorder 1001003

EPA Tag No.: Matrix: Water Lab Number: 1001003-43 E

| ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | | | | Qual- | Report | Dilutio | n | 1807 NOT 1807 N | |
|---------------------|-----------------------------|---------|-------|-------|--------|---------|------------|-----------------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,1-Trichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1,2-Trichloroethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,4-Dichlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 2-Chlorotoluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 4-Chlorotoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Acrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Adamantane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Allyl chloride | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromodichloromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Bromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon disulfide | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Carbon tetrachloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorobenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chlorodibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloroform | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Chloromethane | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dibromomethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 208 of 291

| | Am | ended Ren | ort - Amend | men | t 2Amende | d | | | |
|---------------|-------------------------------|-----------|--------------|-----|-----------|---|------------|----------|----------|
| Project: Pavi | llion#1 2010 LSR No: 1001-004 | P | | | | | Certif | icate of | Analysis |
| Volatile Org | anic Compounds by EPA Metho | d 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | j | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | J | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | J | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | j | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 103 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 4 | -Bromofluorobenzene | 95.5 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: L | Dibromofluoromethane | 101 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: 7 | | 99.0 % | Limit 85-120 | | | 1 | 01/28/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGSW05 01/22/10 09:15 1001003 Date / Time Sampled: Workorder Matrix: Water Lab Number: 1001003-44 E EPA Tag No.:

| A 101 80 30 40 40 40 10 10 | | | | Qual- | Report | Diluti | on | | |
|----------------------------|-----------------------------|---------|-------|-------|--------|--------|-------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | | or Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 1,1,1-Trichloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | 1,1,2,2-Tetrachloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | 1,1,2-Trichloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 1,1-Dichloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 1,1-Dichloroethene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,1-Dichloropropene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | 1,2,3-Trichloropropane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 1,2,4-Trichlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 1,2,4-Trimethylbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | 1,2-Dibromo-3-chloropropane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | 1,2-Dibromoethane (EDB) | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 1,2-Dichlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | 1,2-Dichloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 1,2-Dichloropropane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | 1,3,5-Trimethylbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 1,3-Dichlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 1,3-Dichloropropane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 1,3-Dimethyl adamantane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 1,4-Dichlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | 2,2-Dichloropropane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | 2-Chlorotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | 4-Chlorotoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | Acrylonitrile | < 1.00 | ug/L | | 1.00 | 1 | 01/28/2010 | | 1000024 |
| | Adamantane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | Allyl chloride | < 1.00 | ug/L | | 1.00 | 1 | 01/28/2010 | | 1000024 |
| | Benzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | Bromobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromochloromethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | Bromodichloromethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| EPA 8260B | Bromoform | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | Bromomethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| | Carbon disulfide | < 0.500 | ug/L | | 0.500 | 1 | 01/28/2010 | | 1000024 |
| | Carbon tetrachloride | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | Chlorobenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | Chlorodibromomethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | Chloroethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | Chloroform | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | Chloromethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | cis-1,2-Dichloroethene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | cis-1,3-Dichloropropene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | Dibromomethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | | 1000024 |
| | Dichlorodifluoromethane | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | | 1000024 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 210 of 291

Print Date: 09-Jun-2011 Amended Report - Amendment 2

Certificate of Analysis

| Project: Pav | illion#1 2010 LSR No: 1001-00 | 04 | | | | | Certif | icate of | Analysis |
|--------------|-------------------------------|--------------|--------------|---|-------|---|------------|----------|----------|
| Volatile Or | ganic Compounds by EPA N | lethod 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 0.500 | ug/L | | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Ethylbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachlorobutadiene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Hexachloroethane | < 0.500 | ug/L | | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Iodomethane | < 0.500 | ug/L | | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | IsopropyIbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | m,p-Xylene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methacrylonitrile | < 1.00 | ug/L | | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl Acrylate | < 1.00 | ug/L | | 1.00 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methyl tert-Butyl Ether | < 0.500 | ug/L | | 0.500 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Methylene chloride | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Naphthalene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Butyl Benzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | n-Propyl Benzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | o-Xylene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | p-IsopropyItoluene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | sec-ButyIbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Styrene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | tert-Butylbenzene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Tetrachloroethene | < 0.250 | ug/L | J | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Toluene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,2-Dichloroethene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | trans-1,3-Dichloropropene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichloroethene | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Trichlorofluoromethane | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| EPA 8260B | Vinyl chloride | < 0.250 | ug/L | | 0.250 | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | 1,2-Dichloroethane-d4 | 102 % | Limit 70-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | 4-Bromofluorobenzene | 96.5 % | Limit 75-120 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | Dibromofluoromethane | 104 % | Limit 85-115 | | | 1 | 01/28/2010 | VCM | 1000024 |
| Surrogate: | Toluene-d8 | 99.0 % | Limit 85-120 | | | 1 | 01/28/2010 | VCM | 1000024 |

Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGPP01 Date / Time Sampled: 01/21/10 10:50 Workorder 1001005

EPA Tag No.: Matrix: Water Lab Number: 1001005-02 A

| EFA Tay No | | want. y | | Qual- | Report | Dilution | 7 47 40 4 | 10009 |
|------------|-----------------------------|---------|-------|-------|--------|------------------|------------------|---------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,1-Trichloroethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,2-Trichloroethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloroethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloroethene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloropropene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,3-Trichloropropane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,4-Trimethylbenzene | 31600 | ug/L | J | 2500 | 10000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 250 | ug/L | j | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichlorobenzene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichloroethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichloropropane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3,5-Trimethylbenzene | 18600 | ug/L | J | 2500 | 10000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3-Dichlorobenzene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3-Dichloropropane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3-Dimethyl adamantane | 460 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,4-Dichlorobenzene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 2,2-Dichloropropane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 2-Chlorotoluene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 4-Chlorotoluene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Acrylonitrile | < 1000 | ug/L | J | 1000 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Adamantane | 520 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Allyl chloride | < 1000 | ug/L | j | 1000 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Benzene | 8020 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromobenzene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromochloromethane | < 250 | ug/L | j | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromodichloromethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromoform | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromomethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Carbon disulfide | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Carbon tetrachloride | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Chlorobenzene | < 250 | ug/L | j | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Chlorodibromomethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Chloroethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Chloroform | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Chloromethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | cis-1,2-Dichloroethene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | cis-1,3-Dichloropropene | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Dibromomethane | < 250 | ug/L | J | 250 | 1000 02/10/2010 | VCM | 1000027 |
| | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 212 of 291

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004 Certificate of Analysis

| Volatile Org | anic Compounds by EPA Meth | od 8260B | | | | | | | |
|--------------|----------------------------|----------|--------------|---|-------|-------|------------|-----|---------|
| EPA 8260B | Dichlorodifluoromethane | < 250 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Ethyl Ether | < 250 | ug/L | j | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Ethylbenzene | 26600 | ug/L | J | 2500 | 10000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Hexachlorobutadiene | < 250 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Hexachloroethane | < 1000 | ug/L | J | 1000 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Iodomethane | < 250 | ug/L | J | 250 | 1000 | 02/10/2010 | | 1000027 |
| EPA 8260B | Isopropylbenzene | 11400 | ug/L | J | 2500 | 10000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | m,p-Xylene | 298000 | ug/L | J | 40000 | 40000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methacrylonitrile | < 1000 | ug/L | J | 1000 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methyl Acrylate | < 1000 | ug/L | j | 1000 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methyl tert-Butyl Ether | < 250 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methylene chloride | 510 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Naphthalene | 3430 | ug/L | J | 1000 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | n-Butyl Benzene | 1060 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | n-Propyl Benzene | 3640 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | o-Xylene | 73600 | ug/L | J | 2500 | 10000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | p-Isopropyitoluene | 1640 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | sec-Butylbenzene | 950 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Styrene | < 250 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | tert-Butylbenzene | 250 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Tetrachloroethene | < 250 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Toluene | 97500 | ug/L | J | 2500 | 10000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | trans-1,2-Dichloroethene | < 250 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | trans-1,3-Dichloropropene | < 250 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Trichloroethene | < 250 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Trichlorofluoromethane | < 250 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Vinyl chloride | < 250 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| Surrogate: 1 | ,2-Dichloroethane-d4 | 95.5 % | Limit 70-120 | | | 1 | 02/10/2010 | VCM | 1000027 |
| Surrogate: 4 | -Bromofluorobenzene | 127 % | Limit 75-130 | | | 1 | 02/10/2010 | VCM | 1000027 |
| Surrogate: D | Dibromofluoromethane | 92.0 % | Limit 85-115 | | | 1 | 02/10/2010 | VCM | 1000027 |
| Surrogate: T | oluene-d8 | 100 % | Limit 85-120 | | | 1 | 02/10/2010 | VCM | 1000027 |
| | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Volatile Organic Compounds by EPA Method 8260B

Station ID: PGPP04P Date / Time Sampled: 01/21/10 14:40 Workorder 1001005

EPA Tag No.: Matrix: Water Lab Number: 1001005-03 B

| - m. m. m. m. m. m. | THE SALE THAT THE THE THE THE THE THE THE THE THE TH | s mes com, com, com, com, com, com, com, | en en my en my en e | Qual- | Report | Dilution | aur 7007 1007 10 | w ann van mar w |
|---------------------|--|--|---------------------|-------|--------|-------------------|------------------|-----------------|
| Method | Parameter | Results | Units | ifier | Limit | Factor Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,1-Trichloroethane | < 50000 | ug/L | j | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,2-Trichloroethane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloroethane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloroethene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloropropene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,3-Trichloropropane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,4-Trimethylbenzene | 8730000 | ug/L | J | 250000 | 00000(02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 50000 | ug/L | j | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichlorobenzene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichloroethane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichloropropane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3,5-Trimethylbenzene | 6250000 | ug/L | J | 250000 | 00000(02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3-Dichlorobenzene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3-Dichloropropane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,4-Dichlorobenzene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 2,2-Dichloropropane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 2-Chlorotoluene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 4-Chlorotoluene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Acrylonitrile | < 200000 | ug/L | j | 200000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Adamantane | 74000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Allyl chloride | < 200000 | ug/L | J | 200000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Benzene | 860000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromobenzene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromochloromethane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromodichloromethane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromoform | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromomethane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Carbon disulfide | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Carbon tetrachloride | < 50000 | ug/L | j | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Chlorobenzene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Chlorodibromomethane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Chloroethane | < 50000 | ug/L | j | 50000 | 200000 02/10/2010 | | 1000027 |
| EPA 8260B | Chloroform | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | | 1000027 |
| EPA 8260B | Chloromethane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | | 1000027 |
| EPA 8260B | cis-1,2-Dichloroethene | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | VCM | 1000027 |
| EPA 8260B | cis-1,3-Dichloropropene | < 0.250 | ug/L | J | 0.250 | 1 02/10/2010 | | 1000027 |
| EPA 8260B | Dibromomethane | < 50000 | ug/L | j | 50000 | 200000 02/10/2010 | | 1000027 |
| EPA 8260B | Dichlorodifluoromethane | < 50000 | ug/L | J | 50000 | 200000 02/10/2010 | | 1000027 |
| 1001002,100100 | 3,1001005 FINAL 06 09 11 1029 | Page | 214 of 291 | | | Print Da | te : 09-Ju | ın-2011 |

Page 214 of 291

Amended Report - Amendment 2

Certificate of Analysis

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| | 2010 2011 1101 1001 001 | | | | | | • | JULIO 0 1 | , thury old |
|---------------|-----------------------------|----------|--------------|---|---------|--------|---|------------------|-------------|
| Volatile Orga | anic Compounds by EPA Metho | d 8260B | | | | | | | |
| EPA 8260B | Ethyl Ether | < 50000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Ethylbenzene | 4410000 | ug/∟ | j | 250000 | 000000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Hexachlorobutadiene | < 50000 | ug/L | j | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Hexachloroethane | < 200000 | ug/L | J | 200000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Iodomethane | < 50000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Isopropylbenzene | 948000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | m,p-Xylene | 46000000 | ug/L | J | 1000000 | 000000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methacrylonitrile | < 200000 | ug/L | J | 200000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methyl Acrylate | < 200000 | ug/L | J | 200000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methyl tert-Butyl Ether | < 50000 | ug/L | j | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methylene chloride | < 50000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Naphthalene | < 200000 | ug/L | J | 200000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | n-Butyl Benzene | 162000 | ug/L | j | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | n-Propyl Benzene | 1290000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | o-Xylene | 9430000 | ug/L | J | 250000 | 000000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | p-IsopropyItoluene | 334000 | ug/∟ | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | sec-Butylbenzene | 270000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Styrene | < 50000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | tert-Butylbenzene | 86000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Tetrachloroethene | < 50000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Toluene | 16800000 | ug/L | j | 250000 | 000000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | trans-1,2-Dichloroethene | < 50000 | ug/L | j | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | trans-1,3-Dichloropropene | < 50000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Trichloroethene | < 50000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Trichlorofluoromethane | < 50000 | ug/L | j | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Vinyl chloride | < 50000 | ug/L | J | 50000 | 200000 | 02/10/2010 | VCM | 1000027 |
| Surrogate: 1, | 2-Dichloroethane-d4 | 90.5 % | Limit 70-120 | | | 1 | 02/10/2010 | VCM | 1000027 |
| Surrogate: 4- | Bromofluorobenzene | 122 % | Limit 75-130 | | | 1 | 02/10/2010 | VCM | 1000027 |
| Surrogate: Di | ibromofluoromethane | 94.5 % | Limit 85-115 | | | 1 | 02/10/2010 | VCM | 1000027 |
| Surrogate: To | Nuene-d8 | 99.5 % | Limit 85-120 | | | 1 | 02/10/2010 | VCM | 1000027 |
| | | | | | | | | | |

Lab Number: 1001005-04 B

Project: Pavillion#1 2010 LSR No: 1001-004

EPA Tag No.:

Certificate of Analysis Volatile Organic Compounds by EPA Method 8260B

Station ID: PGPP05 01/22/10 09:00 1001005 Date / Time Sampled: Workorder

Matrix: Water

| EFA Tay No. | | Wattix. 9 | | Ouel | Report | Dilutio | | JOS-04 I | |
|-------------|-----------------------------|-----------|-------|----------------|--------|---------|------------|----------|---------|
| Method | Parameter | Results | Units | Qual- ifier | Limit | | Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,1-Trichloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,2-Trichloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloroethene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloropropene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,3-Trichloropropane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,4-Trimethylbenzene | 1770 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichlorobenzene | < 50.0 | ug/L | J | 50.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichloropropane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3,5-Trimethylbenzene | 818 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3-Dichlorobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3-Dichloropropane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3-Dimethyl adamantane | 488 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,4-Dichlorobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 2,2-Dichloropropane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 2-Chlorotoluene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 4-Chlorotoluene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Acrylonitrile | < 100 | ug/L | J | 100 | 100 | 02/10/2010 | | 1000027 |
| EPA 8260B | Adamantane | 305 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Allyl chloride | < 100 | ug/L | J | 100 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Benzene | 306 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromochloromethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromodichloromethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromoform | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromomethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Carbon disulfide | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Carbon tetrachloride | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Chlorobenzene | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Chlorodibromomethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Chloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 1000027 |
| EPA 8260B | Chloroform | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 1000027 |
| EPA 8260B | Chloromethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 1000027 |
| EPA 8260B | cis-1,2-Dichloroethene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 1000027 |
| EPA 8260B | cis-1,3-Dichloropropene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 1000027 |
| EPA 8260B | Dibromomethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 216 of 291

| Project: Pavi | illion#1 2010 LSR No: 1001-00 | Amended Kep 4 | ort - Amenui | пені | Amenu | eu | Certif | icate of | Analysis |
|---------------|-------------------------------|------------------|--------------|------|-------|------|------------|----------|----------|
| Volatile Org | ganic Compounds by EPA M | ethod 8260B | | | | | | | |
| EPA 8260B | Dichlorodifluoromethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Ethyl Ether | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Ethylbenzene | 476 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Hexachlorobutadiene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Hexachloroethane | < 100 | ug/L | J | 100 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Iodomethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Isopropylbenzene | 202 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | m,p-Xylene | 2180 | ug/L | J | 1000 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methacrylonitrile | < 100 | ug/L | J | 100 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methyl Acrylate | < 100 | ug/L | j | 100 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methyl tert-Butyl Ether | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Methylene chloride | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Naphthalene | 2970 | ug/L | J | 1000 | 1000 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | n-Butyl Benzene | 218 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | n-Propyl Benzene | 198 | ug/L | j | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | o-Xylene | 797 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | p-Isopropyltoluene | 222 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | sec-Butylbenzene | 243 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Styrene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | tert-ButyIbenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Tetrachloroethene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Toluene | 774 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | trans-1,2-Dichloroethene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | trans-1,3-Dichloropropene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Trichloroethene | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Trichlorofluoromethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Vinyl chloride | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| Surrogate: | 1,2-Dichloroethane-d4 | 87.0 % | Limit 70-120 | | | 1 | 02/10/2010 | VCM | 1000027 |
| Surrogate: 4 | 1-Bromofluorobenzene | 113 % | Limit 75-130 | | | 1 | 02/10/2010 | VCM | 1000027 |
| Surrogate: I | Dibromofluoromethane | 89.5 % | Limit 85-115 | | | 1 | 02/10/2010 | VCM | 1000027 |
| Surrogate: | Toluene-d8 | 102 % | Limit 85-120 | | | 1 | 02/10/2010 | VCM | 1000027 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B

Station I D: PGPP06 Date / Time Sampled: 01/22/10 10:05 Workorder 1001005

EPA Tag No.: Matrix: Water Lab Number: 1001005-05 B

| | | | | Quai- | Report | Dilutio | n | | |
|-----------|-----------------------------|---------|---------------|-------|--------|---------|------------|-----|---------|
| Method | Parameter | Results | Units | ifier | Limit | Facto | r Analyzed | Ву | Batch |
| EPA 8260B | 1,1,1,2-Tetrachloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,1-Trichloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,2,2-Tetrachloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1,2-Trichloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloroethene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,1-Dichloropropene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,3-Trichlorobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,3-Trichloropropane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,4-Trichlorobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2,4-Trimethylbenzene | 765 | ug/L | J | 50.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dibromo-3-chloropropane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dibromoethane (EDB) | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichlorobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,2-Dichloropropane | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | 1,3,5-Trimethylbenzene | 414 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 100002 |
| EPA 8260B | 1.3-Dichlorobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 100002 |
| EPA 8260B | 1,3-Dichloropropane | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | 1,3-Dimethyl adamantane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | 1,4-Dichlorobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | 2,2-Dichloropropane | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | 2-Chlorotoluene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 100002 |
| EPA 8260B | 4-Chlorotoluene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Acrylonitrile | < 100 | ug/L | j | 100 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Adamantane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 100002 |
| EPA 8260B | Allyl chloride | < 100 | ug/L | J | 100 | 100 | 02/10/2010 | VCM | |
| EPA 8260B | Benzene | 3020 | ug/L | J | 250 | 1000 | 02/10/2010 | | 1000027 |
| EPA 8260B | Bromobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 |
| EPA 8260B | Bromochloromethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | |
| EPA 8260B | Bromodichloromethane | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Bromoform | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Bromomethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Carbon disulfide | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Carbon tetrachloride | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Chlorobenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Chlorodibromomethane | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Chloroethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Chloroform | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Chloromethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | cis-1,2-Dichloroethene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | cis-1,3-Dichloropropene | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | | 100002 |
| EPA 8260B | Dibromomethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | | 100002 |
| | | _0.0 | 3· - - | - | | . • • | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 218 of 291

| Project: Pavillion#1 2010 LSR No: 1001-004 | Certificate of Analysis |
|--|-------------------------|
| Volatile Organic Compounds by EPA Method 8260B | |

| Volatile Or | ganic Compounds by EPA N | Nethod 8260B | | | | | | | | |
|-------------|---------------------------|--------------|--------------|---|------|------|------------|-----|---------|--|
| EPA 8260B | Ethyl Ether | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Ethylbenzene | 542 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Hexachlorobutadiene | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Hexachloroethane | < 100 | ug/L | J | 100 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Iodomethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Isopropylbenzene | 58.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | m,p-Xylene | 4760 | ug/L | J | 1000 | 1000 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Methacrylonitrile | < 100 | ug/L | J | 100 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Methyl Acrylate | < 100 | ug/L | J | 100 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Methyl tert-Butyl Ether | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Methylene chloride | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Naphthalene | 210 | ug/L | J | 100 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | n-Butyl Benzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | n-Propyl Benzene | 70.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | o-Xylene | 1370 | ug/L | J | 250 | 1000 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | p-IsopropyItoluene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | sec-ButyIbenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Styrene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | tert-ButyIbenzene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Tetrachloroethene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Toluene | 9070 | ug/L | j | 250 | 1000 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | trans-1,2-Dichloroethene | < 25.0 | ug/L | j | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | trans-1,3-Dichloropropene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Trichloroethene | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Trichlorofluoromethane | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| EPA 8260B | Vinyl chloride | < 25.0 | ug/L | J | 25.0 | 100 | 02/10/2010 | VCM | 1000027 | |
| Surrogate: | 1,2-Dichloroethane-d4 | 87.0 % | Limit 70-120 | | | 1 | 02/10/2010 | VCM | 1000027 | |
| Surrogate: | 4-Bromofluorobenzene | 102 % | Limit 75-130 | | | 1 | 02/10/2010 | VCM | 1000027 | |
| Surrogate: | Dibromofluoromethane | 91.5 % | Limit 85-115 | | | 1 | 02/10/2010 | VCM | 1000027 | |
| Surrogate: | Toluene-d8 | 102 % | Limit 85-120 | | | 1 | 02/10/2010 | VCM | 1000027 | |
| | | | | | | | | | | |

Note: "J" Qualifier indicates an estimated value.

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 219 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Extractable Petroleum Hydrocarbons by 8015 DRO - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|----------------------------------|--------|----------------|-------|-------------|------------|-------------|----------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000011 - EPA 3520C | | | | | | | | | |
| Method Blank (1000011-BLK1) | | | | Prepared: (| 01/25/10 A | nalyzed: 01 | 1/28/10 | | |
| Diesel range organics | < 20.0 | 20.0 | ug/L | | | | | | |
| Surrogate: o-Terphenyl | 4.75 | | " | 5.00 | | 94.9 | 60-140 | | |
| Method Blank (1000011-BLK2) | | | | Prepared: (| 01/25/10 A | nalyzed: 01 | 1/29/10 | | |
| Diesel range organics | 1200 | 20.0 | ug/L | | | | | | |
| Surrogate: o-Terphenyl | 5.32 | | " | 5.00 | | 106 | 60-140 | | |
| Method Blank (1000011-BLK3) | | | | Prepared: (| 01/25/10 A | nalyzed: 0° | 1/29/10 | | |
| Diesel range organics | 71.6 | 20.0 | ug/L | | | | | | |
| Surrogate: o-Terphenyl | 5.80 | | " | 5.00 | | 116 | 60-140 | | |
| Method Blank Spike (1000011-BS1) | | | | Prepared: 0 | 01/25/10 A | nalyzed: 01 | 1/29/10 | | |
| Diesel range organics | 443 | 20.0 | ug/L | 100 | | 443 | 70-130 | | |
| Surrogate: o-Terphenyl | 5.01 | | " | 5.00 | | 100 | 60-140 | | |
| Matrix Spike (1000011-MS1) | Soui | rce: 1001002-(| 03 | Prepared: 0 | 01/25/10 A | 1/28/10 | | | |
| Diesel range organics | 164 | 20.0 | ug/L | 100 | 75.3 | 88.5 | 70-130 | | |
| Surrogate: o-Terphenyl | 5.63 | | " | 5.00 | | 113 | 60-140 | | |
| Matrix Spike (1000011-MS2) | Soui | rce: 1001002-2 | 21 | Prepared: (|)1/25/10 A | nalyzed: 01 | 1/29/10 | | |
| Diesel range organics | 198 | 20.0 | ug/L | 100 | 103 | 94.6 | 70-130 | | |
| Surrogate: o-Terphenyl | 5.88 | | " | 5.00 | | 118 | 60-140 | | |
| Reference (1000011-SRM1) | | | | Prepared: (| 01/25/10 A | nalyzed: 01 | 1/28/10 | | |
| Diesel range organics | 80.6 | 20.0 | ug/L | 107 | | 75.3 | 30.5-124 | | |
| Surrogate: o-Terphenyl | 5.02 | | " | 5.00 | | 100 | 60-140 | | |
| Reference (1000011-SRM2) | | | | Prepared: (| 01/25/10 A | | | | |
| Diesel range organics | 142 | 20.0 | ug/L | 107 | | 133 | 30.5-124 | | |
| Surrogate: o-Terphenyl | 5.51 | | " | 5.00 | | 110 | 60-140 | | |

Page 220 of 291

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Extractable Petroleum Hydrocarbons by 8015 DRO - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|-----------------------------|---------------------------------------|---------------------------------------|-------|-------------|------------|---------|----------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000015 - EPA 3520C | | | | | | | | | |
| Method Blank (1000015-BLK1) | | Prepared: 01/27/10 Analyzed: 01/29/10 | | | | | | | |
| Diesel range organics | < 20.0 | 20.0 | ug/L | | | | | | |
| Surrogate: o-Terphenyl | 4.88 | | " | 5.00 | | 97.7 | 60-140 | | |
| Matrix Spike (1000015-MS1) | So | urce: 1001003- | 24 | Prepared: (| 01/27/10 A | 1/29/10 | | | |
| Diesel range organics | 1410 | 216 | ug/L | 108 | 638 | 711 | 70-130 | | |
| Surrogate: o-Terphenyl | 11.5 | | " | 5.41 | | 212 | 60-140 | | |
| Reference (1000015-SRM1) | Prepared: 01/27/10 Analyzed: 01/29/10 | | | | | | | | |
| Diesel range organics | 67.5 | 20.0 | ug/L | 107 | | 63.1 | 30.5-124 | | |
| Surrogate: o-Terphenyl | 5.16 | | " | 5.00 | | 103 | 60-140 | | |
| | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Extractable Petroleum Hydrocarbons by 8015 DRO - Quality Control

| | | Reporting | | Spike | Source | urce %REC | | RPD | |
|---------------------------------|--------|----------------|------------|-------------|------------|-------------|---------|------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000019 - EPA 3545 | | | | | | | | | |
| Method Blank (1000019-BLK1) | | | | Prepared: (| 02/01/10 A | nalyzed: 02 | 2/09/10 | | |
| Diesel range organics | < 20.0 | 20.0 | mg/kg | | | | | | |
| Surrogate: o-Terphenyl | 0.994 | | " | 1.00 | | 99.4 | 60-140 | | |
| Matrix Spike (1000019-MS1) | Sou | Prepared: (| 02/01/10 A | 2/09/10 | | | | | |
| Diesel range organics | 161 | 20.0 | mg/kg | 200 | 6.9 | 77.2 | 60-140 | | |
| Surrogate: o-Terphenyl | 1.01 | | " | 1.00 | | 101 | 60-140 | | |
| Matrix Spike Dup (1000019-MSD1) | Sou | irce: 1001003- | 30 | Prepared: (| 02/01/10 A | 2/10/10 | | | |
| Diesel range organics | 164 | 20.0 | mg/kg | 200 | 6.9 | 78.5 | 60-140 | 1.57 | 25 |
| Surrogate: o-Terphenyl | 1.02 | | " | 1.00 | | 102 | 60-140 | | |
| Reference (1000019-SRM1) | | | | Prepared: (| 02/01/10 A | nalyzed: 02 | 2/09/10 | | |
| Diesel range organics | 197 | 20.0 | mg/kg | 200 | | 98.6 | 0-200 | | |
| Surrogate: o-Terphenyl | 1.25 | | " | 1.00 | | 125 | 60-140 | | |
| | | | | | | | | | |

Batch 1000025 - Default Prep GC-Semi

| Method Blank (1000025-BLK1) | thod Blank (1000025-BLK1) | | | | | | Prepared: 02/05/10 Analyzed: 02/09/10 | | | | | | | |
|--------------------------------------|---------------------------------------|------|-------|-----------------|------------------|---------|---------------------------------------|----|--|--|--|--|--|--|
| Diesel range organics | < 20.0 | 20.0 | mg/kg | · | | | | | | | | | | |
| Surrogate: o-Terphenyl | 0.947 | | " | 1.00 | 94.7 | 60-140 | | | | | | | | |
| Method Blank Spike (1000025-BS1) | | | | Prepared: 02/05 | 5/10 Analyzed: 0 | 2/10/10 | | | | | | | | |
| Diesel range organics | 170 | 20.0 | mg/kg | 200 | 84.8 | 60-140 | | | | | | | | |
| Surrogate: o-Terphenyl | 0.911 | | " | 1.00 | 91.1 | 60-140 | | | | | | | | |
| Method Blank Spike Dup (1000025-BSD1 | Prepared: 02/05/10 Analyzed: 02/10/10 | | | | | | | | | | | | | |
| Diesel range organics | 163 | 20.0 | mg/kg | 200 | 81.4 | 60-140 | 4.13 | 25 | | | | | | |
| Surrogate: o-Terphenyl | 0.870 | | " | 1.00 | 87.0 | 60-140 | | | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 222 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID - Quality Control

| | Reporting | | | Spike Source %REC | | | %REC | RPD | | |
|---------------------------------|--------------------|----------------|-------|-------------------|-------------|-------------|--------|------|-------|--|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |
| Batch 1000014 - EPA 5030B-R8 | | | | | | | | | | |
| Method Blank (1000014-BLK1) | | | | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /26/10 | | | |
| TPH as Gasoline | < 20.0 | 20.0 | ug/L | | | | | | | |
| Surrogate: Bromofluorobenzene | 48.7 | | " | 50.0 | | 97.5 | 70-130 | | | |
| Method Blank (1000014-BLK2) | | | | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /27/10 | | | |
| TPH as Gasoline | < 20.0 | 20.0 | ug/L | | | | | | | |
| Surrogate: Bromofluorobenzene | 53.6 | | " | 50.0 | | 107 | 70-130 | | | |
| Matrix Spike (1000014-MS1) | Sou | rce: 1001003-0 |)3 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /26/10 | | | |
| TPH as Gasoline | 1140 | 20.0 | ug/L | 1000 | 26.3 | 112 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 60.3 | | " | 50.0 | | 121 | 70-130 | | | |
| Matrix Spike (1000014-MS3) | Source: 1001003-24 | | | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /27/10 | | | |
| TPH as Gasoline | 848 | 20.0 | ug/L | 1000 | 389 | 45.9 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 58.1 | | " | 50.0 | | 116 | 70-130 | | | |
| Matrix Spike (1000014-MS5) | Sou | rce: 1001003-4 | 10 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /27/10 | | | |
| TPH as Gasoline | 957 | 20.0 | ug/L | 1000 | < 20.0 | 95.7 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 61.8 | | " | 50.0 | | 124 | 70-130 | | | |
| Matrix Spike Dup (1000014-MSD1) | Sou | rce: 1001003-0 |)3 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /26/10 | | | |
| TPH as Gasoline | 1060 | 20.0 | ug/L | 1000 | 26.3 | 103 | 70-130 | 7.49 | 25 | |
| Surrogate: Bromofluorobenzene | 53.4 | | " | 50.0 | | 107 | 70-130 | | | |
| Matrix Spike Dup (1000014-MSD3) | Sou | rce: 1001003-2 | 24 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /27/10 | | | |
| TPH as Gasoline | 918 | 20.0 | ug/L | 1000 | 389 | 52.9 | 70-130 | 7.89 | 25 | |
| Surrogate: Bromofluorobenzene | 60.5 | | " | 50.0 | | 121 | 70-130 | | | |
| Matrix Spike Dup (1000014-MSD5) | Sou | rce: 1001003- | 10 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /27/10 | | | |
| TPH as Gasoline | 1070 | 20.0 | ug/L | 1000 | < 20.0 | 107 | 70-130 | 10.8 | 25 | |
| Surrogate: Bromofluorobenzene | 61.8 | | " | 50.0 | | 124 | 70-130 | | | |

Page 223 of 291 Print Date : 09-Jun-2011

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|-------------------------------|--------|-----------|-------|-------------|------------|-------------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000014 - EPA 5030B-R8 | | | | | | | | | |
| Reference (1000014-SRM1) | | | | Prepared: | 01/25/10 A | nalyzed: 01 | /26/10 | | |
| TPH as Gasoline | 3330 | 20.0 | ug/L | 3090 | | 108 | 70-130 | | |
| Surrogate: Bromofluorobenzene | 76.7 | | n | 50.0 | | 153 | 70-130 | | |
| Reference (1000014-SRM3) | | | | Prepared: (| 01/25/10 A | nalyzed: 01 | /27/10 | | |
| TPH as Gasoline | 3160 | 20.0 | ug/L | 3090 | | 102 | 70-130 | | |
| Surrogate: Bromofluorobenzene | 68.4 | | " | 50.0 | | 137 | 70-130 | | |
| PGTB01 (1001003-45) | | | | Prepared: (| 01/25/10 A | nalyzed: 01 | /26/10 | | |
| TPH as Gasoline | < 20.0 | 20.0 | ug/L | | | | | | |
| Surrogate: Bromofluorobenzene | 51.9 | | 11 | 50.0 | | 104 | 70-130 | | |
| Holding Blank (1001003-46) | | | | Prepared: (| 01/25/10 A | nalyzed: 01 | /27/10 | | |
| TPH as Gasoline | < 20.0 | 20.0 | ug/L | | | | | | |
| Surrogate: Bromofluorobenzene | 55.6 | | " | 50.0 | | 111 | 70-130 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

TVPH/BTEX/MTBE/Naphthalene by GC PID/FID - Quality Control

| | | Reporting | | Spike | Source | | %REC | RPD | |
|--------------------------------------|--------|----------------|-------|-------------|------------|-------------|--------|------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000016 - *** DEFAULT PREP *** | | | | | | | | | |
| Method Blank (1000016-BLK1) | | | | Prepared: (| 01/29/10 A | nalyzed: 01 | /30/10 | | |
| TPH as Gasoline | < 150 | 150 | ug/kg | | | | | | |
| Surrogate: Bromofluorobenzene | 51.8 | | " | 50.0 | | 104 | 70-130 | | |
| Matrix Spike (1000016-MS1) | Sou | urce: 1001003- | 33 | Prepared: (| 01/29/10 A | | | | |
| TPH as Gasoline | 755 | 150 | ug/kg | 1000 | < 150 | 75.5 | 70-130 | | |
| Surrogate: Bromofluorobenzene | 53.6 | | " | 50.0 | | 107 | 70-130 | | |
| Matrix Spike Dup (1000016-MSD1) | Sou | ırce: 1001003- | 33 | Prepared: (| 01/29/10 A | /31/10 | | | |
| TPH as Gasoline | 783 | 150 | ug/kg | 1000 | < 150 | 78.3 | 70-130 | 3.59 | 25 |
| Surrogate: Bromofluorobenzene | 53.2 | | " | 50.0 | | 106 | 70-130 | | |
| Reference (1000016-SRM1) | | | | Prepared: (| 01/29/10 A | nalyzed: 01 | /31/10 | | |
| TPH as Gasoline | 3070 | 150 | ug/kg | 3090 | | 99.3 | 70-130 | | |
| Surrogate: Bromofluorobenzene | 63.7 | | " | 50.0 | | 127 | 70-130 | | |
| | | | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Headspace Analysis by 5021A GC/FID - Quality Control

| | Reporting | | | Spike | Source | | %REC RPD | | |
|----------------------------------|-------------------------------|----------------|-------|-------------|-------------|-------------|----------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000026 - Default Prep VOC | | | | | | | | | |
| Method Blank (1000026-BLK1) | | | | Prepared 8 | k Analyzed: | 01/25/10 | | | |
| Ethane | < 10.0 | 10.0 | ug/L | | | | | | |
| Methane | < 5.00 | 5.00 | 11 | | | | | | |
| Propane | < 15.0 | 15.0 | " | | | | | | |
| Method Blank (1000026-BLK2) | | | | Prepared: (| 01/25/10 Ar | nalyzed: 01 | /26/10 | | |
| Ethane | < 10.0 | 10.0 | ug/L | | | | | | |
| Methane | < 5.00 | 5.00 | 11 | | | | | | |
| Propane | < 15.0 | 15.0 | ч | | | | | | |
| Method Blank Spike (1000026-BS1) | Prepared & Analyzed: 01/25/10 | | | | | | | | |
| Ethane | 526 | 10.0 | ug/L | 536 | | 98.3 | 60-130 | | |
| Methane | 272 | 5.00 | 11 | 286 | | 95.3 | 60-130 | | |
| Propane | 805 | 15.0 | " | 786 | | 103 | 60-130 | | |
| Matrix Spike (1000026-MS1) | Sou | rce: 1001003-1 | 16 | Prepared: (| 01/25/10 Ar | /26/10 | | | |
| Ethane | 169 | 10.0 | ug/L | 214 | < 10.0 | 78.8 | 60-130 | | |
| Methane | 95.5 | 5.00 | " | 114 | < 5.00 | 83.6 | 60-130 | | |
| Propane | 228 | 15.0 | " | 314 | < 15.0 | 72.5 | 60-130 | | |
| Matrix Spike (1000026-MS2) | Sou | rce: 1001003-2 | 22 | Prepared: (| 01/25/10 Ar | nalyzed: 01 | /26/10 | | |
| Ethane | 164 | 10.0 | ug/L | 214 | < 10.0 | 76.6 | 60-130 | | |
| Methane | 94.7 | 5.00 | 11 | 114 | < 5.00 | 82.9 | 60-130 | | |
| Propane | 214 | 15.0 | 11 | 314 | < 15.0 | 68.0 | 60-130 | | |
| Matrix Spike (1000026-MS3) | Sou | rce: 1001003-4 | 14 | Prepared: (| 01/25/10 Ar | nalyzed: 01 | /26/10 | | |
| Ethane | 169 | 10.0 | ug/L | 214 | < 10.0 | 78.9 | 60-130 | | |
| Methane | 97.3 | 5.00 | 11 | 114 | < 5.00 | 85.1 | 60-130 | | |
| Propane | 225 | 15.0 | n | 314 | < 15.0 | 71.7 | 60-130 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Inorganic Chemistry Parameters - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | | |
|----------------------------------|--------|--------------------|-------|---------------------------------------|------------------|-------------|----------------|-------|--------------|--|--|
| Batch 1000012 - Filter thru 0.45 | | | | | | | | | | | |
| Method Blank (1000012-BLK1) | | | | Prepared: (| 01/25/10 Ai | nalyzed: 01 | 1/26/10 | | | | |
| Chloride | < 0.5 | 0.5 | mg/L | | | | | | | | |
| Fluoride | < 0.2 | | "0.2 | | | | | | | | |
| Nitrate as N | < 0.3 | | "0.3 | | | | | | | | |
| Nitrite as N | < 0.3 | | "0.3 | | | | | | | | |
| Sulfate as SO4 | < 1.0 | | "1.0 | | | | | | | | |
| Method Blank (1000012-BLK2) | | | | Prepared: (| 01/25/10 Ai | nalyzed: 02 | 2/11/10 | | | | |
| Chloride | < 0.5 | 0.5 | mg/L | | | | | | | | |
| Fluoride | < 0.2 | | "0.2 | | | | | | | | |
| Nitrate as N | < 0.3 | | "0.3 | | | | | | | | |
| Nitrite as N | < 0.3 | | "0.3 | | | | | | | | |
| Sulfate as SO4 | < 1.0 | | "1.0 | | | | | | | | |
| Method Blank Spike (1000012-BS1) | | | | Prepared: 01/25/10 Analyzed: 01/26/10 | | | | | | | |
| Chloride | 25.6 | 0.5 | mg/L | 25.0 | | 102 | 85-115 | | | | |
| Fluoride | 2.1 | | "0.2 | 2.00 | | 103 | 85-115 | | | | |
| Nitrate as N | 10.5 | | "0.3 | 10.0 | | 105 | 85-115 | | | | |
| Nitrite as N | 9.9 | | "0.3 | 10.0 | | 98.7 | 85-115 | | | | |
| Sulfate as SO4 | 72.3 | | "1.0 | 75.0 | | 96.4 | 85-115 | | | | |
| Method Blank Spike (1000012-BS2) | | | | Prepared: (| 01/25/10 Ai | nalyzed: 02 | 2/11/10 | | | | |
| Chloride | 25.4 | 0.5 | mg/L | 25.0 | | 102 | 85-115 | | | | |
| Fluoride | 2.0 | | "0.2 | 2.00 | | 101 | 85-115 | | | | |
| Nitrate as N | 10.5 | | "0.3 | 10.0 | | 105 | 85-115 | | | | |
| Nitrite as N | 9.9 | | "0.3 | 10.0 | | 99.5 | 85-115 | | | | |
| Sulfate as SO4 | 72.8 | | "1.0 | 75.0 | | 97.0 | 85-115 | | | | |
| Duplicate (1000012-DUP1) | So | urce: 1001002-(| 02 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | 1/26/10 | | | | |
| Chloride | 23.3 | 0.5 | mg/L | | 23.3 | - | | 0.150 | 20 | | |
| Fluoride | 1.0 | | "0.2 | | 0.9 | | | 11.3 | 20 | | |
| Nitrate as N | < 0.3 | | "0.3 | | < 0.3 | | | | 20 | | |
| Nitrite as N | < 0.3 | | "0.3 | | < 0.3 | | | | 20 | | |
| Sulfate as SO4 | 487 | | "1.0 | | 488 | | | 0.131 | 20 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Inorganic Chemistry Parameters - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|----------------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|--------|--------------|
| Batch 1000012 - Filter thru 0.45 | | | | | | | | | |
| Duplicate (1000012-DUP2) | So | urce: 1001002-1 | 16 | Prepared: (|)1/25/10 A | nalyzed: 01 | /26/10 | | |
| Chloride | 14.5 | 0.5 | mg/L | | 14.5 | | | 0.0207 | 20 |
| Fluoride | 1.9 | | "0.2 | | 1.9 | | | 0.161 | 20 |
| Nitrate as N | 0.3 | | "0.3 | | 0.3 | | | 6.08 | 20 |
| Nitrite as N | < 0.3 | | "0.3 | | < 0.3 | | | | 20 |
| Sulfate as SO4 | 217 | | "1.0 | | 218 | | | 0.349 | 20 |
| Duplicate (1000012-DUP3) | So | urce: 1001003-(| 01 | Prepared: (|)1/25/10 A | nalyzed: 01 | /27/10 | | |
| Chloride | 20.6 | 0.5 | mg/L | - | 20.7 | - | | 0.169 | 20 |
| Fluoride | 0.9 | | "0.2 | | 0.8 | | | 9.39 | 20 |
| Nitrate as N | < 0.3 | | "0.3 | | 0.2 | | | | 20 |
| Nitrite as N | < 0.3 | | "0.3 | | 0.2 | | | | 20 |
| Sulfate as SO4 | 495 | | "1.0 | | 496 | | | 0.0632 | 20 |
| Duplicate (1000012-DUP4) | So | urce: 1001003-2 | 24 | Prepared: (|)1/25/10 A | nalyzed: 01 | /27/10 | | |
| Chloride | 3.5 | 0.5 | mg/L | | 3.5 | | | 0.287 | 20 |
| Fluoride | 0.5 | | "0.2 | | 0.4 | | | 8.36 | 20 |
| Nitrate as N | < 0.3 | | "0.3 | | < 0.3 | | | | 20 |
| Nitrite as N | < 0.3 | | "0.3 | | < 0.3 | | | | 20 |
| Sulfate as SO4 | 844 | | "1.0 | | 831 | | | 1.64 | 20 |
| Duplicate (1000012-DUP5) | So | urce: 1001002-(| 02RE1 | Prepared: (|)1/25/10 A | nalyzed: 01 | /27/10 | | |
| Chloride | 21.8 | 2.5 | mg/L | - | 22.7 | - | | 3.77 | 20 |
| Fluoride | 0.9 | | "1.0 | | 0.9 | | | 4.35 | 20 |
| Nitrate as N | < 1.5 | | "1.5 | | < 1.5 | | | | 20 |
| Nitrite as N | < 1.5 | | "1.5 | | < 1.5 | | | | 20 |
| Sulfate as SO4 | 534 | | "5.0 | | 532 | | | 0.414 | 20 |
| Duplicate (1000012-DUP6) | So | urce: 1001002-1 | 16RE1 | Prepared: (|)1/25/10 A | nalyzed: 01 | /27/10 | | |
| Chloride . | 13.9 | 1.0 | mg/L | • | 13.9 | - | | 0.230 | 20 |
| Fluoride | 1.8 | | "0.4 | | 1.8 | | | 0.114 | 20 |
| Nitrate as N | 0.4 | | "0.6 | | 0.4 | | | 0.00 | 20 |
| Nitrite as N | < 0.6 | | "0.6 | | < 0.6 | | | | 20 |
| Sulfate as SO4 | 214 | | "2.0 | | 213 | | | 0.0534 | 20 |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 228 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Inorganic Chemistry Parameters - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|----------------------------------|--------|-----------------|-------|-------------|-------------|-------------|--------|----------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000012 - Filter thru 0.45 | | | | | | | | | |
| Duplicate (1000012-DUP7) | So | urce: 1001003-0 | 1RE1 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /27/10 | | |
| Chloride | 20.1 | 2.5 | mg/L | | 20.3 | | | 1.19 | 20 |
| Fluoride | 1.0 | | "1.0 | | 1.0 | | | 5.13 | 20 |
| Nitrate as N | < 1.5 | | "1.5 | | < 1.5 | | | | 20 |
| Nitrite as N | < 1.5 | | "1.5 | | < 1.5 | | | | 20 |
| Sulfate as SO4 | 550 | | "5.0 | | 570 | | | 3.55 | 20 |
| Duplicate (1000012-DUP8) | So | urce: 1001003-2 | 24RE1 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /28/10 | | |
| Chloride | 1.0 | 5.0 | mg/L | | < 5.0 | | | | 20 |
| Fluoride | < 2.0 | | "2.0 | | < 2.0 | | | | 20 |
| Nitrate as N | < 3.0 | | "3.0 | | < 3.0 | | | | 20 |
| Nitrite as N | < 3.0 | | "3.0 | | < 3.0 | | | | 20 |
| Sulfate as SO4 | 1010 | 10.0 | u | | 1010 | | | 0.000987 | 20 |
| Matrix Spike (1000012-MS1) | So | urce: 1001002-0 |)2 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /26/10 | | |
| Chloride | 46.4 | 0.5 | mg/L | 25.0 | 23.3 | 92.4 | 80-120 | | |
| Fluoride | 2.9 | | "0.2 | 2.00 | 0.9 | 100 | 80-120 | | |
| Nitrate as N | 10.1 | | "0.3 | 10.0 | < 0.3 | 101 | 80-120 | | |
| Nitrite as N | 9.3 | | "0.3 | 10.0 | < 0.3 | 93.2 | 80-120 | | |
| Sulfate as SO4 | 533 | | "1.0 | 75.0 | 488 | 60.4 | 80-120 | | |
| Matrix Spike (1000012-MS2) | So | urce: 1001002-1 | 15 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /26/10 | | |
| Chloride | 38.5 | 0.5 | mg/L | 25.0 | 14.5 | 96.1 | 80-120 | | |
| Fluoride | 3.8 | | "0.2 | 2.00 | 1.9 | 96.8 | 80-120 | | |
| Nitrate as N | 10.2 | | "0.3 | 10.0 | 0.3 | 99.0 | 80-120 | | |
| Nitrite as N | 9.4 | | "0.3 | 10.0 | < 0.3 | 94.4 | 80-120 | | |
| Sulfate as SO4 | 283 | | "1.0 | 75.0 | 218 | 86.7 | 80-120 | | |
| Matrix Spike (1000012-MS3) | So | urce: 1001003-0 |)1 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /27/10 | | |
| Chloride | 44.1 | 0.5 | mg/L | 25.0 | 20.7 | 93.8 | 80-120 | | |
| Fluoride | 2.9 | | "0.2 | 2.00 | 0.8 | 100 | 80-120 | | |
| Nitrate as N | 10.3 | | "0.3 | 10.0 | 0.2 | 101 | 80-120 | | |
| Nitrite as N | 9.5 | | "0.3 | 10.0 | 0.2 | 92.6 | 80-120 | | |
| Sulfate as SO4 | 542 | | "1.0 | 75.0 | 496 | 61.7 | 80-120 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Inorganic Chemistry Parameters - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|----------------------------------|----------------------------------|----------------|-------|-------------|-------------|-------------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000012 - Filter thru 0.45 | | | | | | | | | |
| Matrix Spike (1000012-MS4) | So | urce: 1001003- | 24 | Prepared: (| 01/25/10 Ar | nalyzed: 01 | /27/10 | | |
| Chloride | 30.1 | 0.5 | mg/L | 25.0 | 3.5 | 106 | 80-120 | | |
| Fluoride | 2.5 | | "0.2 | 2.00 | 0.4 | 104 | 80-120 | | |
| Nitrate as N | 10.6 | | "0.3 | 10.0 | < 0.3 | 106 | 80-120 | | |
| Nitrite as N | 10.1 | | "0.3 | 10.0 | < 0.3 | 101 | 80-120 | | |
| Sulfate as SO4 | 852 | | "1.0 | 75.0 | 831 | 28.3 | 80-120 | | |
| Matrix Spike (1000012-MS5) | So | urce: 1001002- | 02RE1 | Prepared: (| 01/25/10 Ar | nalyzed: 01 | /27/10 | | |
| Chloride | 146 | 2.5 | mg/L | 125 | 22.7 | 99.0 | 80-120 | | |
| Fluoride | 10.7 | | "1.0 | 10.0 | 0.9 | 97.6 | 80-120 | | |
| Nitrate as N | 50.7 | | "1.5 | 50.0 | < 1.5 | 101 | 80-120 | | |
| Nitrite as N | 47.3 | | "1.5 | 50.0 | < 1.5 | 94.6 | 80-120 | | |
| Sulfate as SO4 | 897 | | "5.0 | 375 | 532 | 97.4 | 80-120 | | |
| Matrix Spike (1000012-MS6) | Source: 1001002-15RE1 Pre | | | Prepared: (| 01/25/10 Ar | | | | |
| Chloride | 61.6 | 1.0 | mg/L | 50.0 | 13.9 | 95.4 | 80-120 | | |
| Fluoride | 5.5 | | "0.4 | 4.00 | 1.8 | 94.1 | 80-120 | | |
| Nitrate as N | 19.6 | | "0.6 | 20.0 | 0.4 | 96.3 | 80-120 | | |
| Nitrite as N | 18.4 | | "0.6 | 20.0 | < 0.6 | 92.0 | 80-120 | | |
| Sulfate as SO4 | 357 | | "2.0 | 150 | 213 | 95.8 | 80-120 | | |
| Matrix Spike (1000012-MS7) | So | urce: 1001003- | 01RE1 | Prepared: (| 01/25/10 Ar | nalyzed: 01 | /27/10 | | |
| Chloride | 150 | 2.5 | mg/L | 125 | 20.3 | 104 | 80-120 | | |
| Fluoride | 11.5 | | "1.0 | 10.0 | 1.0 | 105 | 80-120 | | |
| Nitrate as N | 51.5 | | "1.5 | 50.0 | < 1.5 | 103 | 80-120 | | |
| Nitrite as N | 49.1 | | "1.5 | 50.0 | < 1.5 | 98.1 | 80-120 | | |
| Sulfate as SO4 | 926 | | "5.0 | 375 | 570 | 95.0 | 80-120 | | |
| Matrix Spike (1000012-MS8) | So | urce: 1001003- | 24RE1 | Prepared: (| 01/25/10 Ar | nalyzed: 01 | /28/10 | | |
| Chloride | 247 | 5.0 | mg/L | 250 | < 5.0 | 98.7 | 80-120 | | |
| Fluoride | 19.8 | | "2.0 | 20.0 | < 2.0 | 99.2 | 80-120 | | |
| Nitrate as N | 100 | | "3.0 | 100 | < 3.0 | 100 | 80-120 | | |
| Nitrite as N | 94.0 | | "3.0 | 100 | < 3.0 | 94.0 | 80-120 | | |
| Sulfate as SO4 | 1750 | 10.0 | 11 | 750 | 1010 | 97.8 | 80-120 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Inorganic Chemistry Parameters - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|----------------------------------|-------------------------------|--------------------|--------|----------------|------------------|-------------|----------------|--------|--------------|
| • | ricourt | ши | Oillia | Fevel | rtesuit | 701 CLO | Limits | 10.0 | Liniit |
| Batch 1000012 - Filter thru 0.45 | | | | | | | | | |
| Matrix Spike Dup (1000012-MSD1) | Sou | ırce: 1001002- | 02 | | 01/25/10 A | nalyzed: 01 | /26/10 | | |
| Chloride | 46.2 | 0.5 | mg/L | 25.0 | 23.3 | 91.5 | 80-120 | 0.499 | 20 |
| Fluoride | 2.9 | | "0.2 | 2.00 | 0.9 | 99.6 | 80-120 | 0.553 | 20 |
| Nitrate as N | 10.0 | | "0.3 | 10.0 | < 0.3 | 100 | 80-120 | 0.448 | 20 |
| Nitrite as N | 9.3 | | "0.3 | 10.0 | < 0.3 | 92.7 | 80-120 | 0.559 | 20 |
| Sulfate as SO4 | 531 | | "1.0 | 75.0 | 488 | 57.6 | 80-120 | 0.387 | 20 |
| Matrix Spike Dup (1000012-MSD2) | Sou | ırce: 1001002- | 15 | Prepared: (| 01/25/10 A | nalyzed: 01 | /26/10 | | |
| Chloride | 38.4 | 0.5 | mg/L | 25.0 | 14.5 | 95.7 | 80-120 | 0.249 | 20 |
| Fluoride | 3.8 | | "0.2 | 2.00 | 1.9 | 98.1 | 80-120 | 0.683 | 20 |
| Nitrate as N | 10.2 | | "0.3 | 10.0 | 0.3 | 99.2 | 80-120 | 0.166 | 20 |
| Nitrite as N | 9.4 | | "0.3 | 10.0 | < 0.3 | 94.4 | 80-120 | 0.0530 | 20 |
| Sulfate as SO4 | 282 | | "1.0 | 75.0 | 218 | 86.0 | 80-120 | 0.182 | 20 |
| Matrix Spike Dup (1000012-MSD3) | Source: 1001003-01 Pre | | | | 01/25/10 A | nalyzed: 01 | /27/10 | | |
| Chloride | 44.3 | 0.5 | mg/L | 25.0 | 20.7 | 94.7 | 80-120 | 0.479 | 20 |
| Fluoride | 2.9 | | "0.2 | 2.00 | 0.8 | 101 | 80-120 | 0.280 | 20 |
| Nitrate as N | 10.3 | | "0.3 | 10.0 | 0.2 | 101 | 80-120 | 0.00 | 20 |
| Nitrite as N | 9.5 | | "0.3 | 10.0 | 0.2 | 93.1 | 80-120 | 0.496 | 20 |
| Sulfate as SO4 | 540 | | "1.0 | 75.0 | 496 | 58.9 | 80-120 | 0.392 | 20 |
| Matrix Spike Dup (1000012-MSD4) | Sou | ırce: 1001003- | 24 | Prepared: (| 01/25/10 A | nalyzed: 01 | /27/10 | | |
| Chloride | 31.9 | 0.5 | mg/L | 25.0 | 3.5 | 113 | 80-120 | 5.75 | 20 |
| Fluoride | 2.7 | | "0.2 | 2.00 | 0.4 | 114 | 80-120 | 7.95 | 20 |
| Nitrate as N | 10.5 | | "0.3 | 10.0 | < 0.3 | 105 | 80-120 | 0.786 | 20 |
| Nitrite as N | 10.3 | | "0.3 | 10.0 | < 0.3 | 103 | 80-120 | 2.00 | 20 |
| Sulfate as SO4 | 872 | | "1.0 | 75.0 | 831 | 54.4 | 80-120 | 2.28 | 20 |
| Matrix Spike Dup (1000012-MSD5) | Sou | ırce: 1001002- | 02RE1 | Prepared: (| 01/25/10 A | nalyzed: 01 | /27/10 | | |
| Chloride | 147 | 2.5 | mg/L | 125 | 22.7 | 99.5 | 80-120 | 0.453 | 20 |
| Fluoride | 10.8 | | "1.0 | 10.0 | 0.9 | 98.4 | 80-120 | 0.745 | 20 |
| Nitrate as N | 51.0 | | "1.5 | 50.0 | < 1.5 | 102 | 80-120 | 0.521 | 20 |
| Nitrite as N | 47.5 | | "1.5 | 50.0 | < 1.5 | 95.1 | 80-120 | 0.496 | 20 |
| Sulfate as SO4 | 902 | | "5.0 | 375 | 532 | 98.7 | 80-120 | 0.521 | 20 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Inorganic Chemistry Parameters - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|----------------------------------|--------|-----------------------------------|-------|-------------|-------------|-------------|---------|--------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000012 - Filter thru 0.45 | | | | | | | | | |
| Matrix Spike Dup (1000012-MSD6) | So | urce: 1001002-1 | 16RE1 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /27/10 | | |
| Chloride | 61.6 | 1.0 | mg/L | 50.0 | 13.9 | 95.4 | 80-120 | 0.00 | 20 |
| Fluoride | 5.5 | | "0.4 | 4.00 | 1.8 | 94.4 | 80-120 | 0.253 | 20 |
| Nitrate as N | 19.6 | | "0.6 | 20.0 | 0.4 | 96.4 | 80-120 | 0.0509 | 20 |
| Nitrite as N | 18.4 | | "0.6 | 20.0 | < 0.6 | 92.0 | 80-120 | 0.0109 | 20 |
| Sulfate as SO4 | 357 | | "2.0 | 150 | 213 | 96.0 | 80-120 | 0.0801 | 20 |
| Matrix Spike Dup (1000012-MSD7) | So | urce: 1001003-(| 01RE1 | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /27/10 | | |
| Chloride | 144 | 2.5 | mg/L | 125 | 20.3 | 99.1 | 80-120 | 4.27 | 20 |
| Fluoride | 11.7 | | "1.0 | 10.0 | 1.0 | 107 | 80-120 | 1.64 | 20 |
| Nitrate as N | 50.9 | | "1.5 | 50.0 | < 1.5 | 102 | 80-120 | 1.17 | 20 |
| Nitrite as N | 47.7 | | "1.5 | 50.0 | < 1.5 | 95.4 | 80-120 | 2.83 | 20 |
| Sulfate as SO4 | 960 | | "5.0 | 375 | 570 | 104 | 80-120 | 3.58 | 20 |
| Matrix Spike Dup (1000012-MSD8) | So | Source: 1001003-24RE1 Prep | | | | nalyzed: 01 | /28/10 | | |
| Chloride | 247 | 5.0 | mg/L | 250 | < 5.0 | 98.8 | 80-120 | 0.121 | 20 |
| Fluoride | 19.7 | | "2.0 | 20.0 | < 2.0 | 98.4 | 80-120 | 0.861 | 20 |
| Nitrate as N | 100 | | "3.0 | 100 | < 3.0 | 100 | 80-120 | 0.140 | 20 |
| Nitrite as N | 94.2 | | "3.0 | 100 | < 3.0 | 94.2 | 80-120 | 0.159 | 20 |
| Sulfate as SO4 | 1750 | 10.0 | " | 750 | 1010 | 98.0 | 80-120 | 0.0938 | 20 |
| Reference (1000012-SRM1) | | | | Prepared: (| 01/25/10 Ai | nalyzed: 01 | /26/10 | | |
| Chloride | 14.6 | 0.5 | mg/L | 15.0 | | 97.7 | 90-110 | | |
| Fluoride | 9.9 | | "0.2 | 10.0 | | 99.1 | 90-110 | | |
| Nitrate as N | 10.2 | | "0.3 | 10.0 | | 102 | 90-110 | | |
| Nitrite as N | 14.5 | | "0.3 | 15.0 | | 96.9 | 90-110 | | |
| Sulfate as SO4 | 72.6 | | "1.0 | 75.0 | | 96.7 | 90-110 | | |
| Reference (1000012-SRM2) | | | | Prepared: (| 01/25/10 Ai | nalyzed: 02 | 2/11/10 | | |
| Chloride | 14.4 | 0.5 | mg/L | 15.0 | | 96.3 | 90-110 | | |
| Fluoride | 9.8 | | "0.2 | 10.0 | | 97.8 | 90-110 | | |
| Nitrate as N | 10.1 | | "0.3 | 10.0 | | 101 | 90-110 | | |
| Nitrite as N | 14.6 | | "0.3 | 15.0 | | 97.0 | 90-110 | | |
| Sulfate as SO4 | 72.4 | | "1.0 | 75.0 | | 96.5 | 90-110 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Inorganic Chemistry Parameters - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|----------------------------------|----------------------------------|--------------------|--------------|----------------|------------------|--------------|----------------|-------|--------------|
| Batch 1000021 - Filter thru 0.45 | | | | 20101 | rtoourt | | 2111110 | | |
| Method Blank (1000021-BLK1) | | | | Propared: (| 02/03/10 Ai | nalyzod: 00 | 2/04/10 | | |
| Chloride | .0.5 | 0.5 | no a /I | r repareu. C | 02/03/10 AI | iai yzeu. 02 | ./04/10 | | |
| Chloride Fluoride | < 0.5 | 0.5 | mg/L "0.2 | | | | | | |
| | < 0.2 | | "0.2 | | | | | | |
| Nitrate as N Nitrite as N | < 0.3 | | "0.3 | | | | | | |
| | < 0.3 | | | | | | | | |
| Sulfate as SO4 | < 1.0 | | "1.0 | | | | | | |
| Method Blank Spike (1000021-BS1) | | | | Prepared: 0 | 02/03/10 Ai | nalyzed: 02 | 2/04/10 | | |
| Chloride | 25.4 | 0.5 | mg/L | 25.0 | | 102 | 85-115 | | |
| Fluoride | 2.0 | | "0.2 | 2.00 | | 101 | 85-115 | | |
| Nitrate as N | 10.5 | | "0.3 | 10.0 | | 105 | 85-115 | | |
| Nitrite as N | 9.9 | | "0.3 | 10.0 | | 99.4 | 85-115 | | |
| Sulfate as SO4 | 72.6 | | "1.0 | 75.0 | | 96.8 | 85-115 | | |
| Duplicate (1000021-DUP1) | Source: 1001005-05RE3 Pre | | | | 02/03/10 Ai | nalyzed: 02 | 2/04/10 | | |
| Chloride | 204 | 5.0 | mg/L | | 203 | | | 0.463 | 20 |
| Fluoride | 3.2 | | "2.0 | | 3.2 | | | 0.311 | 20 |
| Nitrate as N | < 3.0 | | "3.0 | | < 3.0 | | | | 20 |
| Nitrite as N | < 3.0 | | "3.0 | | < 3.0 | | | | 20 |
| Sulfate as SO4 | 5.3 | 10.0 | n | | 5.8 | | | 8.77 | 20 |
| Matrix Spike (1000021-MS1) | So | urce: 1001005-(|)5RE3 | Prepared: (| 02/03/10 Ai | nalyzed: 02 | 2/04/10 | | |
| Chloride | 423 | 5.0 | mg/L | 250 | 203 | 88.2 | 80-120 | | |
| Fluoride | 21.6 | | "2.0 | 20.0 | 3.2 | 92.1 | 80-120 | | |
| Nitrate as N | 94.6 | | "3.0 | 100 | < 3.0 | 94.6 | 80-120 | | |
| Nitrite as N | 90.1 | | "3.0 | 100 | < 3.0 | 90.1 | 80-120 | | |
| Sulfate as SO4 | 780 | 10.0 | п | 750 | 5.8 | 103 | 80-120 | | |
| Matrix Spike Dup (1000021-MSD1) | Soi | urce: 1001005-(|)5RE3 | Prepared: (| 02/03/10 Ai | nalyzed: 02 | 2/04/10 | | |
| Chloride | 435 | 5.0 | mg/L | 250 | 203 | 92.8 | 80-120 | 2.69 | 20 |
| Fluoride | 23.7 | 5.0 | "2.0 | 20.0 | 3.2 | 103 | 80-120 | 9.21 | 20 |
| | 97.3 | | "3.0 | 100 | < 3.0 | 97.3 | 80-120 | 2.79 | 20 |
| Nitrate as N | ن. <i>ا</i> ق | | 0.0 | 100 | ~ 0.0 | | | | |
| Nitrate as N Nitrite as N | 92.7 | | "3.0 | 100 | < 3.0 | 92.7 | 80-120 | 2.81 | 20 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Inorganic Chemistry Parameters - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|----------------------------------|--------|-----------|-------|-------------|------------|-------------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000021 - Filter thru 0.45 | | | | | | | | | |
| Reference (1000021-SRM1) | | | | Prepared: (| 02/03/10 A | nalyzed: 02 | /04/10 | | |
| Chloride | 14.4 | 0.5 | mg/L | 15.0 | | 96.3 | 90-110 | | |
| Fluoride | 9.8 | | "0.2 | 10.0 | | 97.5 | 90-110 | | |
| Nitrate as N | 10.1 | | "0.3 | 10.0 | | 101 | 90-110 | | |
| Nitrite as N | 14.6 | | "0.3 | 15.0 | | 97.3 | 90-110 | | |
| Sulfate as SO4 | 72.2 | | "1.0 | 75.0 | | 96.3 | 90-110 | | |
| Nitrite as N | 14.6 | | "0.3 | 15.0 | | 97.3 | 90-110 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Inorganic Chemistry Parameters - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|--------------------------------------|--------|-----------------|-------|-------------|------------|-------------|------------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000013 - Default Prep GenChem | | | | | | | | | |
| Method Blank (1000013-BLK1) | | | | Prepared: (|)1/25/10 A | nalyzed: 02 | 2/01/10 | | |
| Alkalinity | < 5.00 | 5.00 | mg/L | | | | | | |
| Duplicate (1000013-DUP1) | Sou | irce: 1001002-(|)2 | Prepared: (|)1/25/10 A | nalyzed: 02 | 2/01/10 | | |
| Alkalinity | 37.5 | 5.00 | mg/L | | 38.3 | | | 2.01 | 20 |
| Duplicate (1000013-DUP2) | Sou | irce: 1001002-1 | 17 | Prepared: (| 01/25/10 A | nalyzed: 02 | 2/01/10 | | |
| Alkalinity | 44.3 | 5.00 | mg/L | | 44.1 | | | 0.362 | 20 |
| Duplicate (1000013-DUP3) | Sou | irce: 1001003-0 | 01 | Prepared: (|)1/25/10 A | nalyzed: 02 | 2/01/10 | | |
| Alkalinity | 28.2 | 5.00 | mg/L | | 28.0 | | | 0.712 | 20 |
| Duplicate (1000013-DUP4) | Sou | irce: 1001003-2 | 24 | Prepared: (|)1/25/10 A | nalyzed: 02 | 2/01/10 | | |
| Alkalinity | 441 | 5.00 | mg/L | | 440 | | | 0.188 | 20 |
| Reference (1000013-SRM1) | | | | Prepared: (|)1/25/10 A | nalyzed: 02 | 2/01/10 | | |
| Alkalinity | 34.2 | 5.00 | mg/L | 35.1 | | 97.5 | 97.2-111.4 | | |

Batch 1000020 - Default Prep GenChem

| Method Blank (1000020-BLK1) | | | | Prepared: 02/03/10 | Analyzed: (| 2/04/10 | | |
|-----------------------------|--------|--------------|------|--------------------|---------------|------------|------|----|
| Alkalinity | < 5.00 | 5.00 | mg/L | | | | | |
| Duplicate (1000020-DUP1) | Source | e: 1001005-0 | 5 | Prepared: 02/03/10 |) Analyzed: (| 2/04/10 | | |
| Alkalinity | 666 | 500 | mg/L | 653 | 1 | | 2.03 | 20 |
| Reference (1000020-SRM1) | | | | Prepared: 02/03/10 |) Analyzed: (| 2/04/10 | | |
| Alkalinity | 34.0 | 5.00 | mg/L | 35.1 | 96.8 | 87.5-112.5 | | |

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Source

Reporting

Certificate of Analysis

RPD

%REC

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
|-----------------------------|---------|-------|-------|-------------|-------------|-------------|--------|-----|-------|
| Satch 1000031 - 3520C | | | | | | | | | |
| Nethod Blank (1000031-BLK1) | | | | Prepared: 0 | 02/01/10 Ai | nalyzed: 02 | /19/10 | | |
| ,2,4-Trichlorobenzene | < 0.100 | 0.100 | ug/L | | | | | | |
| ,2-Dichlorobenzene | < 0.100 | 0.100 | 11 | | | | | | |
| ,3-Dichlorobenzene | < 0.100 | 0.100 | п | | | | | | |
| ,4-Dichlorobenzene | < 0.100 | 0.100 | 11 | | | | | | |
| ,4,5-Trichlorophenol | < 0.100 | 0.100 | ** | | | | | | |
| ,4,6-Trichlorophenol | < 0.100 | 0.100 | 11 | | | | | | |
| ,4-Dichlorophenol | < 0.100 | 0.100 | ** | | | | | | |
| ,4-Dimethylphenol | < 0.100 | 0.100 | " | | | | | | |
| ,4-Dinitrotoluene | < 0.250 | 0.250 | ** | | | | | | |
| ,6-Dinitrotoluene | < 0.100 | 0.100 | п | | | | | | |
| -Chloronaphthalene | < 0.100 | 0.100 | u | | | | | | |
| -Chlorophenol | < 0.100 | 0.100 | " | | | | | | |
| -MethyInaphthalene | < 0.100 | 0.100 | n | | | | | | |
| -Methylphenol | < 0.100 | 0.100 | " | | | | | | |
| -Nitrophenol | < 0.250 | 0.250 | 11 | | | | | | |
| & 4-Methylphenol | < 0.100 | 0.100 | 11 | | | | | | |
| -Nitroaniline | < 0.100 | 0.100 | " | | | | | | |
| -Bromophenyl phenyl ether | < 0.100 | 0.100 | " | | | | | | |
| -Chloro-3-methylphenol | < 0.500 | 0.500 | n | | | | | | |
| -Chloroaniline | < 0.100 | 0.100 | " | | | | | | |
| -Chlorophenyl phenyl ether | < 0.100 | 0.100 | п | | | | | | |
| -Nitroaniline | < 0.500 | 0.500 | n | | | | | | |
| -Nitrophenol | < 0.500 | 0.500 | п | | | | | | |
| cenaphthene | < 0.100 | 0.100 | н | | | | | | |
| cenaphthylene | < 0.100 | 0.100 | п | | | | | | |
| Anthracene | < 0.100 | 0.100 | " | | | | | | |
| zobenzene | < 0.100 | 0.100 | " | | | | | | |
| Benzo (a) anthracene | < 0.100 | 0.100 | п | | | | | | |
| Benzo (a) pyrene | < 0.100 | 0.100 | н | | | | | | |
| Benzo (b) fluoranthene | < 0.100 | 0.100 | # | | | | | | |
| Benzo (g,h,i) perylene | < 0.100 | 0.100 | п | | | | | | |
| Benzo (k) fluoranthene | < 0.100 | 0.100 | н | | | | | | |
| Bis(2-chloroethoxy)methane | < 0.100 | 0.100 | u | | | | | | |
| Bis(2-chloroethyl)ether | < 0.100 | 0.100 | n | | | | | | |
| Bis(2-chloroisopropyl)ether | < 0.100 | 0.100 | п | | | | | | |
| Bis(2-ethylhexyl)phthalate | < 0.100 | 0.100 | 11 | | | | | | |
| Butyl benzyl phthalate | < 0.100 | 0.100 | н | | | | | | |
| Carbazole | < 0.100 | 0.100 | н | | | | | | |
| Chrysene | < 0.100 | 0.100 | ** | | | | | | |
| Dibenz (a,h) anthracene | < 0.100 | 0.100 | н | | | | | | |
| Dibenzofuran | < 0.100 | 0.100 | n | | | | | | |
| Diethyl phthalate | < 0.100 | 0.100 | п | | | | | | |
| Dimethyl phthalate | < 0.100 | 0.100 | н | | | | | | |
| Di-n-butyl phthalate | < 0.100 | 0.100 | 4 | | | | | | |
| Di-n-octyl phthalate | < 0.100 | 0.100 | 11 | | | | | | |
| Iuoranthene | < 0.100 | 0.100 | " | | | | | | |
| Tuorene | < 0.100 | 0.100 | # | | | | | | |
| łexachlorobenzene | < 0.100 | 0.100 | ** | | | | | | |
| łexachlorobutadiene | < 0.100 | 0.100 | # | | | | | | |
| łexachlorocyclopentadiene | < 0.500 | 0.500 | 11 | | | | | | |
| łexachloroethane | < 0.100 | 0.100 | н | | | | | | |
| ndeno (1,2,3-cd) pyrene | < 0.100 | 0.100 | # | | | | | | |
| sophorone | < 0.100 | 0.100 | n | | | | | | |
| Japhthalene | < 0.100 | 0.100 | # | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---------|--------------------|-------|----------------|------------------|-------------|------------------|--------------|--------------|
| Batch 1000031 - 3520C | | | | | | | | - | |
| Nethod Blank (1000031-BLK1) | | | | Prepared: (|)2/01/10 Ar | nalyzed: 02 | /19/10 | | |
| Nitrobenzene , | < 0.100 | 0.100 | ug/L | • | | | | | |
| N-Nitrosodi-n-propylamine | < 0.100 | 0.100 | "5" | | | | | | |
| Pentachlorophenol | < 0.500 | 0.500 | 11 | | | | | | |
| Phenanthrene | < 0.100 | 0.100 | n | | | | | | |
| Phenol | < 0.100 | 0.100 | н | | | | | | |
| Pyrene | < 0.100 | 0.100 | n | | | | | | |
| Surrogate: 2-Fluorobiphenyl | 0.340 | 0.700 | ,, | 0.500 | | 68.0 | 60-130 | | |
| Surrogate: 2-Fluorophenol | 0.330 | | " | 0.500 | | 66.0 | 60-130 | | |
| , | | | ,, | 0.500 | | | | | |
| turrogate: Nitrobenzene-d5 | 0.360 | | ,, | | | 72.0 | 60-130 | | |
| Surrogate: Phenol-d6 | 0.320 | | ,, | 0.500 | | 64.0 | 60-130 | | |
| urrogate: Terphenyl-dl4 | 0.470 | | | 0.500 | | 94.0 | 60-130 | | |
| fethod Blank Spike (1000031-BS1) | | | | Prepared: 0 | 02/01/10 Ar | nalyzed: 02 | /19/10 | | |
| ,2,4-Trichlorobenzene | 0.600 | 0.100 | ug/L | 1.00 | | 60.0 | 35-105 | | |
| ,2-Dichlorobenzene | 0.580 | 0.100 | 11 | 1.00 | | 58.0 | 35-100 | | |
| ,3-Dichlorobenzene | 0.560 | 0.100 | п | 1.00 | | 56.0 | 30-100 | | |
| ,4-Dichlorobenzene | 0.570 | 0.100 | " | 1.00 | | 57.0 | 30-100 | | |
| ,4,5-Trichlorophenol | 0.710 | 0.100 | " | 1.00 | | 71.0 | 50-110 | | |
| ,4,6-Trichlorophenol | 0.810 | 0.100 | 11 | 1.00 | | 81.0 | 50-115 | | |
| ,4-Dichlorophenol | 0.810 | 0.100 | п | 1.00 | | 81.0 | 50-105 | | |
| ,4-Dimethylphenol | 0.560 | 0.100 | п | 1.00 | | 56.0 | 30-103 | | |
| ,4-Dinitrotoluene | 0.760 | 0.250 | п | 1.00 | | 76.0 | 50-110 | | |
| 6-Dinitrotoluene | 1.00 | 0.230 | п | 1.00 | | 100 | 50-120 | | |
| -Chloronaphthalene | 0.730 | 0.100 | " | 1.00 | | 73.0 | 50-115 | | |
| • | | | 11 | | | | | | |
| -Chlorophenol | 0.740 | 0.100 | | 1.00 | | 74.0 | 35-105 | | |
| -Methylnaphthalene | 0.690 | 0.100 | " " | 1.00 | | 69.0 | 45-105 | | |
| -Methylphenol | 0.760 | 0.100 | " | 1.00 | | 76.0 | 40-110 | | |
| -Nitrophenol | 0.790 | 0.250 | | 1.00 | | 79.0 | 40-115 | | |
| & 4-Methylphenol | 1.38 | 0.100 | " | 2.00 | | 69.0 | 30-110 | | |
| -Nitroaniline | 0.820 | 0.100 | " | 1.00 | | 82.0 | 20-125 | | |
| -Bromophenyl phenyl ether | 0.740 | 0.100 | п | 1.00 | | 74.0 | 50-115 | | |
| -Chloro-3-methylphenol | 0.770 | 0.500 | п | 1.00 | | 77.0 | 45-110 | | |
| -Chloroaniline | 0.670 | 0.100 | 11 | 1.00 | | 67.0 | 15-110 | | |
| -Chlorophenyl phenyl ether | 0.780 | 0.100 | " | 1.00 | | 78.0 | 50-110 | | |
| -Nitroaniline | 0.590 | 0.500 | п | 1.00 | | 59.0 | 35-120 | | |
| -Nitrophenol | 0.560 | 0.500 | 11 | 1.00 | | 56.0 | 0-125 | | |
| cenaphthene | 0.780 | 0.100 | 11 | 1.00 | | 78.0 | 45-110 | | |
| cenaphthylene | 0.920 | 0.100 | 11 | 1.00 | | 92.0 | 50-105 | | |
| nthracene | 0.810 | 0.100 | 11 | 1.00 | | 81.0 | 55-110 | | |
| zobenzene | 0.830 | 0.100 | 11 | 1.00 | | 83.0 | 50-115 | | |
| enzo (a) anthracene | 0.810 | 0.100 | 11 | 1.00 | | 81.0 | 55-110 | | |
| senzo (a) pyrene | 0.720 | 0.100 | п | 1.00 | | 72.0 | 55-110 | | |
| enzo (b) fluoranthene | 0.730 | 0.100 | п | 1.00 | | 73.0 | 45-120 | | |
| enzo (g,h,i) perylene | 0.780 | 0.100 | 11 | 1.00 | | 78.0 | 40-125 | | |
| enzo (k) fluoranthene | 0.770 | 0.100 | " | 1.00 | | 77.0 | 45-125 | | |
| is(2-chloroethoxy)methane | 0.770 | 0.100 | п | 1.00 | | 79.0 | 45-125 | | |
| is(2-chloroethyl)ether | 0.790 | 0.100 | n | 1.00 | | 79.0 | 35-110 35-110 | | |
| • | | 0.100 | 11 | 1.00 | | 82.0 | 25-110 25-130 | | |
| is(2-chloroisopropyl)ether | 0.820 | | 11 | | | | | | |
| is(2-ethylhexyl)phthalate | 0.750 | 0.100 | n | 1.00 | | 75.0 | 40-125 | | |
| sutyl benzyl phthalate | 0.650 | 0.100 | | 1.00 | | 65.0 | 45-115 | | |
| arbazole | 0.810 | 0.100 | " | 1.00 | | 81.0 | 50-115 | | |
| hrysene | 0.830 | 0.100 | " | 1.00 | | 83.0 | 55-110 | | |
| ibenz (a,h) anthracene | 0.770 | 0.100 | 11 | 1.00 | | 77.0 | 40-125 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|----------------------------------|---------------------------------------|-----------|-------|-------|--------|------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000031 - 3520C | | | | | | | | | |
| Method Blank Spike (1000031-BS1) | Prepared: 02/01/10 Analyzed: 02/19/10 | | | | | | | | |
| Dibenzofuran | 0.800 | 0.100 | ug/L | 1.00 | | 80.0 | 55-105 | | |
| Diethyl phthalate | 0.750 | 0.100 | ** | 1.00 | | 75.0 | 40-120 | | |
| Dimethyl phthalate | 0.790 | 0.100 | 11 | 1.00 | | 79.0 | 25-125 | | |
| Di-n-butyl phthalate | 0.710 | 0.100 | 11 | 1.00 | | 71.0 | 55-115 | | |
| Di-n-octyl phthalate | 0.570 | 0.100 | ** | 1.00 | | 57.0 | 35-135 | | |
| Fluoranthene | 0.770 | 0.100 | 11 | 1.00 | | 77.0 | 55-115 | | |
| Fluorene | 0.790 | 0.100 | н | 1.00 | | 79.0 | 50-110 | | |
| Hexachlorobenzene | 0.730 | 0.100 | ** | 1.00 | | 73.0 | 50-110 | | |
| Hexachlorobutadiene | 0.530 | 0.100 | " | 1.00 | | 53.0 | 25-105 | | |
| Hexachlorocyclopentadiene | 0.550 | 0.500 | ** | 1.00 | | 55.0 | 30-95 | | |
| Hexachloroethane | 0.570 | 0.100 | н | 1.00 | | 57.0 | 30-95 | | |
| Indeno (1,2,3-cd) pyrene | 0.750 | 0.100 | " | 1.00 | | 75.0 | 45-125 | | |
| Isophorone | 0.820 | 0.100 | " | 1.00 | | 82.0 | 50-110 | | |
| Naphthalene | 0.690 | 0.100 | " | 1.00 | | 69.0 | 40-100 | | |
| Nitrobenzene | 0.800 | 0.100 | 11 | 1.00 | | 80.0 | 45-110 | | |
| N-Nitrosodi-n-propylamine | 0.760 | 0.100 | н | 1.00 | | 76.0 | 35-130 | | |
| Pentachlorophenol | 0.260 | 0.500 | " | 1.00 | | 26.0 | 40-115 | | |
| Phenanthrene | 0.840 | 0.100 | " | 1.00 | | 84.0 | 50-115 | | |
| Phenol | 0.760 | 0.100 | u | 1.00 | | 76.0 | 0-115 | | |
| Pyrene | 0.770 | 0.100 | " | 1.00 | | 77.0 | 50-130 | | |
| Surrogate: 2-Fluorobiphenyl | 0.380 | | " | 0.500 | | 76.0 | 50-110 | | |
| Surrogate: 2-Fluorophenol | 0.330 | | " | 0.500 | | 66.0 | 20-110 | | |
| Surrogate: Nitrobenzene-d5 | 0.420 | | " | 0.500 | | 84.0 | 40-110 | | |
| Surrogate: Phenol-d6 | 0.350 | | " | 0.500 | | 70.0 | 10-115 | | |
| Surrogate: Terphenyl-dl4 | 0.350 | | " | 0.500 | | 70.0 | 50-135 | | |

Batch 1000041 - 3520

| Method Blank (1000041-BLK1) | | Prepared: 02/01/10 Analyzed: 02/19/10 | | | | | | | |
|-----------------------------|---------|---------------------------------------|------|-------|------|--------|--|--|--|
| (R)-(+)-Limonene | < 0.200 | 0.200 | ug/L | | | | | | |
| 1,3-Dimethyl adamantane | < 0.200 | 0.200 | 11 | | | | | | |
| 2-Butoxyethanol | < 0.250 | 0.250 | " | | | | | | |
| 2-Butoxyethanol phosphate | < 0.300 | 0.300 | 4 | | | | | | |
| Adamantane | < 0.200 | 0.200 | " | | | | | | |
| Terpiniol | < 0.200 | 0.200 | ** | | | | | | |
| Surrogate: 2-Fluorobiphenyl | 0.390 | | " | 0.500 | 78.0 | 60-130 | | | |
| Surrogate: 2-Fluorophenol | 0.390 | | " | 0.500 | 78.0 | 60-130 | | | |
| Surrogate: Nitrobenzene-d5 | 0.530 | | " | 0.500 | 106 | 60-130 | | | |
| Surrogate: Phenol-d6 | 0.480 | | " | 0.500 | 96.0 | 60-130 | | | |
| Surrogate: Terphenyl-dl4 | 0.510 | | " | 0.500 | 102 | 60-130 | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|-----------------------------|---------|--------------------|-------|----------------|------------------|-------------|----------------|-----|--------------|
| Batch 1000051 - 3520C | | | | | | | | | |
| Method Blank (1000051-BLK1) | | | | Prepared: (| 01/26/10 Ai | nalyzed: 01 | /29/10 | | |
| (R)-(+)-Limonene | < 0.200 | 0.200 | ug/L | | | | | | |
| 1,3-Dimethyl adamantane | < 0.200 | 0.200 | 11 | | | | | | |
| 2-Butoxyethanol | < 0.250 | 0.250 | 11 | | | | | | |
| 2-Butoxyethanol phosphate | < 0.300 | 0.300 | 11 | | | | | | |
| Adamantane | < 0.200 | 0.200 | п | | | | | | |
| Terpiniol | < 0.200 | 0.200 | п | | | | | | |
| Surrogate: 2-Fluorobiphenyl | 0.270 | | " | 0.500 | | 54.0 | 60-120 | | |
| Surrogate: 2-Fluorophenol | 0.300 | | " | 0.500 | | 60.0 | 60-120 | | |
| Surrogate: Nitrobenzene-d5 | 0.400 | | " | 0.500 | | 80.0 | 60-130 | | |
| Surrogate: Phenol-d6 | 0.360 | | " | 0.500 | | 72.0 | 60-130 | | |
| Surrogate: Terphenyl-dl4 | 0.420 | | " | 0.500 | | 84.0 | 60-130 | | |
| Method Blank (1000051-BLK2) | | | | Prepared: (| 01/26/10 Ai | nalyzed: 01 | /29/10 | | |
| (R)-(+)-Limonene | < 0.200 | 0.200 | ug/L | | | | | | |
| 1,3-Dimethyl adamantane | < 0.200 | 0.200 | 11 | | | | | | |
| 2-Butoxyethanol | < 0.250 | 0.250 | п | | | | | | |
| 2-Butoxyethanol phosphate | < 0.300 | 0.300 | п | | | | | | |
| Adamantane | < 0.200 | 0.200 | n | | | | | | |
| Terpiniol | < 0.200 | 0.200 | 11 | | | | | | |
| Surrogate: 2-Fluorobiphenyl | 0.410 | | " | 0.500 | | 82.0 | 60-120 | | |
| Surrogate: 2-Fluorophenol | 0.350 | | " | 0.500 | | 70.0 | 60-120 | | |
| Surrogate: Nitrobenzene-d5 | 0.480 | | " | 0.500 | | 96.0 | 60-130 | | |
| Surrogate: Phenol-d6 | 0.410 | | " | 0.500 | | 82.0 | 60-130 | | |
| Surrogate: Terphenyl-dl4 | 0.460 | | " | 0.500 | | 92.0 | 60-130 | | |
| Method Blank (1000051-BLK3) | | | | Prepared: (| 01/26/10 Ai | nalyzed: 01 | /29/10 | | |
| (R)-(+)-Limonene | < 0.200 | 0.200 | ug/L | | | | | | |
| 1,3-Dimethyl adamantane | < 0.200 | 0.200 | 11 | | | | | | |
| 2-Butoxyethanol | < 0.250 | 0.250 | " | | | | | | |
| 2-Butoxyethanol phosphate | < 0.300 | 0.300 | " | | | | | | |
| Adamantane | < 0.200 | 0.200 | " | | | | | | |
| Terpiniol | < 0.200 | 0.200 | 11 | | | | | | |
| Surrogate: 2-Fluorobiphenyl | 0.310 | | " | 0.500 | | 62.0 | 60-120 | | |
| Surrogate: 2-Fluorophenol | 0.330 | | " | 0.500 | | 66.0 | 60-120 | | |
| Surrogate: Nitrobenzene-d5 | 0.430 | | " | 0.500 | | 86.0 | 60-130 | | |
| Surrogate: Phenol-d6 | 0.440 | | " | 0.500 | | 88.0 | 60-130 | | |
| Surrogate: Terphenyl-dl4 | 0.340 | | " | 0.500 | | 68.0 | 60-130 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|-----------------------------|---------|-----------|-------|-------------|-------------|-------------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000051 - 3520C | | | | | | | | | |
| Method Blank (1000051-BLK4) | | | | Prepared: (| 01/26/10 Ai | nalyzed: 01 | /29/10 | | |
| (R)-(+)-Limonene | < 0.200 | 0.200 | ug/L | | | | | | |
| 1,3-Dimethyl adamantane | < 0.200 | 0.200 | п | | | | | | |
| 2-Butoxyethanol | < 0.250 | 0.250 | 11 | | | | | | |
| 2-Butoxyethanol phosphate | < 0.300 | 0.300 | n | | | | | | |
| Adamantane | < 0.200 | 0.200 | п | | | | | | |
| Terpiniol | < 0.200 | 0.200 | п | | | | | | |
| Surrogate: 2-Fluorobiphenyl | 0.350 | | " | 0.500 | | 70.0 | 60-120 | | |
| Surrogate: 2-Fluorophenol | 0.350 | | " | 0.500 | | 70.0 | 60-120 | | |
| Surrogate: Nitrobenzene-d5 | 0.260 | | " | 0.500 | | 52.0 | 60-130 | | |
| Surrogate: Phenol-d6 | 0.460 | | " | 0.500 | | 92.0 | 60-130 | | |
| Surrogate: Terphenyl-dl4 | 0.530 | | " | 0.500 | | 106 | 60-130 | | |

Batch 1000059 - 3520

| Method Blank (1000059-BLK1) | | | | Prepared: 01/26/10 Analyzed: 01/29/10 |
|---|---------|-------|-----------|---------------------------------------|
| 1,2,4-Trichlorobenzene | < 0.100 | 0.100 | ug/L | |
| 1,2-Dichlorobenzene | < 0.100 | 0.100 | 11 | |
| 1,3-Dichlorobenzene | < 0.100 | 0.100 | " | |
| 1,4-Dichlorobenzene | < 0.100 | 0.100 | н | |
| 2,4,5-Trichlorophenol | < 0.100 | 0.100 | ** | |
| 2,4,6-Trichlorophenol | < 0.100 | 0.100 | н | |
| 2,4-Dichlorophenol | < 0.100 | 0.100 | a | |
| 2,4-Dimethylphenol | < 0.100 | 0.100 | 11 | |
| 2,4-Dinitrotoluene | < 0.250 | 0.250 | 11 | |
| 2,6-Dinitrotoluene | < 0.100 | 0.100 | ** | |
| 2-Chloronaphthalene | < 0.100 | 0.100 | п | |
| 2-Chlorophenol | < 0.100 | 0.100 | 11 | |
| 2-Methylnaphthalene | < 0.100 | 0.100 | 11 | |
| 2-Methylphenol | < 0.100 | 0.100 | п | |
| 2-Nitrophenol | < 0.250 | 0.250 | ** | |
| 3 & 4-Methylphenol | < 0.100 | 0.100 | 11 | |
| 3-Nitroaniline | < 0.100 | 0.100 | 11 | |
| 4-Bromophenyl phenyl ether | < 0.100 | 0.100 | 4 | |
| 4-Chloro-3-methylphenol | < 0.500 | 0.500 | 11 | |
| 4-Chloroaniline | < 0.100 | 0.100 | 11 | |
| 4-Chlorophenyl phenyl ether | < 0.100 | 0.100 | п | |
| 4-Nitroaniline | < 0.500 | 0.500 | 11 | |
| Acenaphthene | < 0.100 | 0.100 | 11 | |
| Acenaphthylene | < 0.100 | 0.100 | " | |
| Anthracene | < 0.100 | 0.100 | п | |
| Azobenzene | < 0.100 | 0.100 | 11 | |
| Benzo (a) anthracene | < 0.100 | 0.100 | " | |
| Benzo (a) pyrene | < 0.100 | 0.100 | " | |
| Benzo (b) fluoranthene | < 0.100 | 0.100 | 41 | |
| Benzo (g,h,i) perylene | < 0.100 | 0.100 | 11 | |
| Benzo (k) fluoranthene | < 0.100 | 0.100 | 11 | |
| Bis(2-chloroethoxy)methane | < 0.100 | 0.100 | " | |
| Bis(2-chloroethyl)ether | < 0.100 | 0.100 | п | |
| Bis(2-chloroisopropyl)ether | < 0.100 | 0.100 | 11 | |
| Bis(2-ethylhexyl)phthalate | 0.120 | 0.100 | 11 | |
| Butyl benzyl phthalate | < 0.100 | 0.100 | п | |
| 1001002,1001003,1001005 FINAL 06 09 11 1029 | | _ | 240 of 29 | Print Date : 09-Jun-201 |

Amended Report - Amendment 2

EPAPAV0128539

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|-----------------------------|---------|-----------|-------|-------------|------------|-------------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000059 - 3520 | | | | | | | | | |
| Method Blank (1000059-BLK1) | | | | Prepared: (|)1/26/10 A | nalyzed: 01 | /29/10 | | |
| Carbazole | < 0.100 | 0.100 | ug/L | | | | | | |
| Chrysene | < 0.100 | 0.100 | п | | | | | | |
| Dibenz (a,h) anthracene | < 0.100 | 0.100 | п | | | | | | |
| Dibenzofuran | < 0.100 | 0.100 | п | | | | | | |
| Diethyl phthalate | < 0.100 | 0.100 | 11 | | | | | | |
| Dimethyl phthalate | < 0.100 | 0.100 | 11 | | | | | | |
| Di-n-butyl phthalate | 0.110 | 0.100 | н | | | | | | |
| Di-n-octyl phthalate | 0.140 | 0.100 | " | | | | | | |
| Fluoranthene | < 0.100 | 0.100 | ** | | | | | | |
| Fluorene | < 0.100 | 0.100 | п | | | | | | |
| Hexachlorobenzene | < 0.100 | 0.100 | п | | | | | | |
| Hexachlorobutadiene | < 0.100 | 0.100 | n | | | | | | |
| Hexachlorocyclopentadiene | < 0.500 | 0.500 | n | | | | | | |
| Hexachloroethane | < 0.100 | 0.100 | я | | | | | | |
| Indeno (1,2,3-cd) pyrene | < 0.100 | 0.100 | п | | | | | | |
| Isophorone | < 0.100 | 0.100 | п | | | | | | |
| Naphthalene | < 0.100 | 0.100 | n | | | | | | |
| Nitrobenzene | < 0.100 | 0.100 | п | | | | | | |
| N-Nitrosodi-n-propylamine | < 0.100 | 0.100 | n | | | | | | |
| Pentachlorophenol | < 0.500 | 0.500 | п | | | | | | |
| Phenanthrene | < 0.100 | 0.100 | n | | | | | | |
| Phenol | < 0.100 | 0.100 | п | | | | | | |
| Pyrene | < 0.100 | 0.100 | n | | | | | | |
| Surrogate: 2-Fluorobiphenyl | 0.250 | | " | 0.500 | | 50.0 | 60-130 | | |
| Surrogate: 2-Fluorophenol | 0.280 | | " | 0.500 | | 56.0 | 60-130 | | |
| Surrogate: Nitrobenzene-d5 | 0.270 | | " | 0.500 | | 54.0 | 60-130 | | |
| Surrogate: Phenol-d6 | 0.300 | | " | 0.500 | | 60.0 | 60-130 | | |
| Surrogate: Terphenyl-dl4 | 0.410 | | " | 0.500 | | 82.0 | 60-130 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---------|--------------------|--------------|----------------|------------------|-------------|----------------|------------|--------------|
| Batch 1000059 - 3520 | | | | | | | | | |
| Method Blank (1000059-BLK2) | | | | Prepared: (| 01/26/10 A | nalyzed: 01 | /29/10 | | |
| 1,2,4-Trichlorobenzene | < 0.100 | 0.100 | ug/L | | | | | | |
| 1,2-Dichlorobenzene | < 0.100 | 0.100 | п | | | | | | |
| 1,3-Dichlorobenzene | < 0.100 | 0.100 | п | | | | | | |
| 1,4-Dichlorobenzene | < 0.100 | 0.100 | 11 | | | | | | |
| 2,4,5-Trichlorophenol | < 0.100 | 0.100 | " | | | | | | |
| 2,4,6-Trichlorophenol | < 0.100 | 0.100 | п | | | | | | |
| 2,4-Dichlorophenol | < 0.100 | 0.100 | н | | | | | | |
| 2,4-Dimethylphenol | < 0.100 | 0.100 | ** | | | | | | |
| 2,4-Dinitrotoluene | < 0.250 | 0.250 | " | | | | | | |
| 2,6-Dinitrotoluene | < 0.100 | 0.100 | ** | | | | | | |
| 2-Chloronaphthalene | < 0.100 | 0.100 | n | | | | | | |
| 2-Chlorophenol | < 0.100 | 0.100 | " | | | | | | |
| 2-MethyInaphthalene | < 0.100 | 0.100 | " | | | | | | |
| 2-Methylphenol | < 0.100 | 0.100 | ** | | | | | | |
| 2-Nitrophenol | < 0.250 | 0.250 | 11 | | | | | | |
| 3 & 4-Methylphenol | < 0.100 | 0.100 | # | | | | | | |
| 3-Nitroaniline | < 0.100 | 0.100 | ** | | | | | | |
| 4-Bromophenyl phenyl ether | < 0.100 | 0.100 | н | | | | | | |
| 4-Chloro-3-methylphenol | < 0.500 | 0.500 | 11 | | | | | | |
| 4-Chloroaniline | < 0.100 | 0.100 | " | | | | | | |
| 4-Chlorophenyl phenyl ether | < 0.100 | 0.100 | " | | | | | | |
| 4-Nitroaniline | < 0.500 | 0.500 | 4 | | | | | | |
| Acenaphthene | < 0.100 | 0.100 | 11 | | | | | | |
| Acenaphthylene | < 0.100 | 0.100 | 11 | | | | | | |
| Anthracene | < 0.100 | 0.100 | 11 | | | | | | |
| Azobenzene | < 0.100 | 0.100 | 11 | | | | | | |
| Benzo (a) anthracene | < 0.100 | 0.100 | ** | | | | | | |
| Benzo (a) pyrene | < 0.100 | 0.100 | 11 | | | | | | |
| Benzo (b) fluoranthene | < 0.100 | 0.100 | н | | | | | | |
| Benzo (g,h,i) perylene | < 0.100 | 0.100 | " | | | | | | |
| Benzo (k) fluoranthene | < 0.100 | 0.100 | " | | | | | | |
| Bis(2-chloroethoxy)methane | < 0.100 | 0.100 | ** | | | | | | |
| Bis(2-chloroethyl)ether | < 0.100 | 0.100 | n | | | | | | |
| Bis(2-chloroisopropyl)ether | < 0.100 | 0.100 | " | | | | | | |
| Bis(2-ethylhexyl)phthalate | 27.9 | 0.100 | н | | | | | | |
| Butyl benzyl phthalate | < 0.100 | 0.100 | 11 | | | | | | |
| Carbazole | < 0.100 | 0.100 | " | | | | | | |
| Chrysene | < 0.100 | 0.100 | " | | | | | | |
| Dibenz (a,h) anthracene | < 0.100 | 0.100 | ** | | | | | | |
| Dibenzofuran | < 0.100 | 0.100 | " | | | | | | |
| Diethyl phthalate | < 0.100 | 0.100 | n | | | | | | |
| Dimethyl phthalate | < 0.100 | 0.100 | 11 | | | | | | |
| Di-n-butyl phthalate | < 0.100 | 0.100 | " | | | | | | |
| Di-n-octyl phthalate | < 0.100 | 0.100 | " | | | | | | |
| Fluoranthene | < 0.100 | 0.100 | " | | | | | | |
| Fluorene | < 0.100 | 0.100 | " | | | | | | |
| Hexachlorobenzene | < 0.100 | 0.100 | " | | | | | | |
| Hexachlorobutadiene | < 0.100 | 0.100 | " | | | | | | |
| Hexachlorocyclopentadiene | < 0.500 | 0.500 | | | | | | | |
| Hexachloroethane | < 0.100 | 0.100 | " | | | | | | |
| Indeno (1,2,3-cd) pyrene | < 0.100 | 0.100 | " | | | | | | |
| Isophorone | < 0.100 | 0.100 | " | | | | | | |
| Naphthalene | < 0.100 | 0.100 | | | | | | | |
| Nitrobenzene | < 0.100 | 0.100 | п | | | | | | |
| 1001002,1001003,1001005 FINAL 06 09 11 1 | 029 | Page | e 242 of 291 | | | | Р | rint Date: | 09-Jun-2011 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| A I. d- | . | Reporting | 13.27 | Spike | Source | 0/555 | %REC | 555 | RPD |
|--|--------------------|----------------|-------|-------------|-------------|-------------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000059 - 3520 | | | | | | | | | |
| Method Blank (1000059-BLK2) | | | | Prepared: (| 01/26/10 Ar | nalyzed: 01 | /29/10 | | |
| N-Nitrosodi-n-propylamine | < 0.100 | 0.100 | ug/L | | | | | | |
| Pentachlorophenol | < 0.500 | 0.500 | н | | | | | | |
| Phenanthrene | < 0.100 | 0.100 | " | | | | | | |
| Phenol | < 0.100 | 0.100 | " | | | | | | |
| Pyrene | < 0.100 | 0.100 | " | | | | | | |
| Surrogate: 2-Fluorobiphenyl | 0.370 | | " | 0.500 | | 74.0 | 60-130 | | |
| Surrogate: 2-Fluorophenol | 0.360 | | " | 0.500 | | 72.0 | 60-130 | | |
| Surrogate: Nitrobenzene-d5 | 0.310 | | " | 0.500 | | 62.0 | 60-130 | | |
| Surrogate: Phenol-d6 | 0.360 | | | 0.500 | | 72.0 | 60-130 | | |
| Surrogate: Terphenyl-dl4 | 0.430 | | | 0.500 | | 86.0 | 60-130 | | |
| Nethod Blank (1000059-BLK3) | | | | Prepared: (| 01/26/10 Ar | nalyzed: 01 | /29/10 | | |
| ,2,4-Trichlorobenzene | < 0.100 | 0.100 | ug/L | | | | | | |
| 1,2-Dichlorobenzene | < 0.100 | 0.100 | # | | | | | | |
| ,3-Dichlorobenzene | < 0.100 | 0.100 | " | | | | | | |
| ,4-Dichlorobenzene | < 0.100 | 0.100 | н | | | | | | |
| 2,4,5-Trichlorophenol | < 0.100 | 0.100 | " | | | | | | |
| 2,4,6-Trichlorophenol | < 0.100 | 0.100 | " | | | | | | |
| 2,4-Dichlorophenol | < 0.100 | 0.100 | | | | | | | |
| ,4-Dimethylphenol | < 0.100 | 0.100 | " | | | | | | |
| ?,4-Dinitrotoluene | < 0.250 | 0.250 | 11 | | | | | | |
| t,6-Dinitrotoluene | < 0.100 | 0.100 | " " | | | | | | |
| 2-Chloronaphthalene | < 0.100 | 0.100 | | | | | | | |
| 2-Chlorophenol | < 0.100 | 0.100 | 11 | | | | | | |
| -Methylnaphthalene | < 0.100 | 0.100 | " | | | | | | |
| -Methylphenol | < 0.100 | 0.100 | " " | | | | | | |
| 2-Nitrophenol | < 0.250 | 0.250 | | | | | | | |
| 3 & 4-Methylphenol | < 0.100 | 0.100 | " | | | | | | |
| 3-Nitroaniline | < 0.100 | 0.100 | | | | | | | |
| 4-Bromophenyl phenyl ether | < 0.100 | 0.100 | " | | | | | | |
| I-Chloro-3-methylphenol | < 0.500 | 0.500 | | | | | | | |
| I-Chloroaniline | < 0.100 | 0.100 | | | | | | | |
| -Chlorophenyl phenyl ether | < 0.100 | 0.100 | | | | | | | |
| -Nitroaniline | < 0.500 | 0.500 | " | | | | | | |
| Acenaphthene Acenaphthylane | < 0.100 | 0.100 | | | | | | | |
| Acenaphthylene Anthracene | < 0.100 | 0.100 0.100 | | | | | | | |
| Anthracene Azobenzene | < 0.100 | 0.100 | н | | | | | | |
| Rzobenzene Benzo (a) anthracene | < 0.100 < 0.100 | 0.100 | " | | | | | | |
| Benzo (a) antinacene Benzo (a) pyrene | < 0.100 < 0.100 | 0.100 | " | | | | | | |
| Benzo (b) fluoranthene | < 0.100 < 0.100 | 0.100 | п | | | | | | |
| Benzo (g,h,i) perylene | < 0.100 | 0.100 | ** | | | | | | |
| Benzo (k) fluoranthene | < 0.100 | 0.100 | п | | | | | | |
| Bis(2-chloroethoxy)methane | < 0.100 | 0.100 | | | | | | | |
| Bis(2-chloroethyl)ether | < 0.100 | 0.100 | " | | | | | | |
| Bis(2-chloroisopropyl)ether | < 0.100 | 0.100 | 11 | | | | | | |
| Bis(2-ethylhexyl)phthalate | 0.370 | 0.100 | ** | | | | | | |
| Butyl benzyl phthalate | < 0.100 | 0.100 | " | | | | | | |
| Carbazole | < 0.100 | 0.100 | п | | | | | | |
| Chrysene | < 0.100 | 0.100 | п | | | | | | |
| Dibenz (a,h) anthracene | < 0.100 | 0.100 | | | | | | | |
| Dibenzofuran | < 0.100 | 0.100 | н | | | | | | |
| Diethyl phthalate | < 0.100 | 0.100 | ** | | | | | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 243 of 291

Amended Report - Amendment 2

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---|---|-------------------------------|----------------|------------------|-------------|----------------|-----|--------------|
| Satch 1000059 - 3520 | | | | | | | | | |
| /lethod Blank (1000059-BLK3) | | | | Prepared: (| 01/26/10 Ar | nalyzed: 01 | /29/10 | | |
| Dimethyl phthalate | < 0.100 | 0.100 | ug/L | | | | | | |
| Di-n-butyl phthalate | < 0.100 | 0.100 | н | | | | | | |
| Di-n-octyl phthalate | < 0.100 | 0.100 | п | | | | | | |
| Tuoranthene | < 0.100 | 0.100 | " | | | | | | |
| Tuorene | < 0.100 | 0.100 | н | | | | | | |
| łexachlorobenzene | < 0.100 | 0.100 | п | | | | | | |
| łexachlorobutadiene | < 0.100 | 0.100 | н | | | | | | |
| łexachlorocyclopentadiene | < 0.500 | 0.500 | ** | | | | | | |
| łexachloroethane | < 0.100 | 0.100 | п | | | | | | |
| ndeno (1,2,3-cd) pyrene | < 0.100 | 0.100 | " | | | | | | |
| sophorone | < 0.100 | 0.100 | 41 | | | | | | |
| laphthalene | < 0.100 | 0.100 | " | | | | | | |
| litrobenzene | < 0.100 | 0.100 | " | | | | | | |
| I-Nitrosodi-n-propylamine | < 0.100 | 0.100 | " | | | | | | |
| entachlorophenol | < 0.500 | 0.500 | 11 | | | | | | |
| henanthrene | < 0.100 | 0.100 | # | | | | | | |
| henol | < 0.100 | 0.100 | ** | | | | | | |
| yrene | < 0.100 | 0.100 | n | | | | | | |
| urrogate: 2-Fluorobiphenyl | 0.240 | | " | 0.500 | | 48.0 | 60-130 | | |
| urrogate: 2-Fluorophenol | 0.300 | | " | 0.500 | | 60.0 | 60-130 | | |
| urrogate: Nitrobenzene-d5 | 0.280 | | " | 0.500 | | 56.0 | 60-130 | | |
| urrogate: Phenol-d6 | 0.260 | | " | 0.500 | | 52.0 | 60-130 | | |
| urrogate: Terphenyl-dl4 | 0.340 | | " | 0.500 | | 68.0 | 60-130 | | |
| Nethod Blank (1000059-BLK4) | | | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| Method Blank (1000059-BLK4) ,2,4-Trichlorobenzene | < 0.100 | 0.100 | ug/L | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene | < 0.100 | 0.100 | 11 | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene | < 0.100 < 0.100 | 0.100 0.100 | п | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene | < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 | n n | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol | < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 | n n | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 0.100 | 11 11 11 | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 0.100 0.100 | n n | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4-Cichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 0.100 0.100 0.100 | n n n | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.250 | 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.250 | n n n n | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4-Crichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.250 < 0.100 | 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.250 | n n n n n | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4-Crichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.250 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.250 0.100 | n n n n n | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chlorophenol | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.250 < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.250 0.100 0.100 | n n n n n | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chlorophenol -Methylnaphthalene | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.250 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 | " " " " " " " " " " " | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chlorophenol -Methylnaphthalene -Methylphenol | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 | " " " " " " " " " " " " " | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chlorophenol -Methylnaphthalene -Methylphenol -Methylphenol -Nitrophenol | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.250 | 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 | " " " " " " " " " " " " " " " | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Methylphenol -Nitrophenol & 4-Methylphenol | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.100 | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Nitrophenol & 4-Methylphenol -Nitrophenol -Nitroaniline | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Nitrophenol & 4-Methylphenol -Nitrophenol & 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Nitrophenol & 4-Methylphenol -Nitrophenol -Nitroaniline | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.500 | 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.500 | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Nitrophenol -Nitrophenol -Nitroaniline -Bromophenyl phenyl ether -Chloro-3-methylphenol -Chloronaniline | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.500 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chlorophenol -Methylphenol -Methylphenol -Nitrophenol -Nitrophenol -Nitroaniline -Bromophenyl phenyl ether -Chloro-3-methylphenol | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.500 | 0.100 | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimitrotoluene ,6-Dinitrotoluene ,6-Dinitrotoluene -Chlorophenol -Methylnaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitrophenol -Nitroaniline -Bromophenyl phenyl ether -Chloro-3-methylphenol -Chloroaniline -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chlorophenol -Methylnaphthalene -Chlorophenol -Methylphenol -Nitrophenol -Nitrophenol -Nitroniline -Bromophenyl phenyl ether -Chloro-3-methylphenol -Chlorophenol -Chlorophenol | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.500 < 0.100 < 0.500 < 0.100 < 0.500 | 0.100 0.500 0.100 0.500 | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dinitrotoluene ,6-Dinitrotoluene ,6-Dinitrotoluene -Chlorophenol -Methylnaphthalene -Chlorophenol -Methylphenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitroniline -Bromophenyl phenyl ether -Chloro-3-methylphenol -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether -Nitroaniline | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.500 < 0.100 < 0.500 < 0.100 < 0.500 < 0.100 < 0.500 < 0.100 | 0.100 | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dinitrotoluene ,6-Dinitrotoluene ,6-Dinitrotoluene -Chlorophenol -Methylnaphthalene -Chlorophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitronilline -Bromophenyl phenyl ether -Chloroanilline -Chlorophenyl phenyl ether -Chloroaniline -Chlorophenyl phenyl ether -Nitroaniline -Chlorophenyl phenyl ether -Nitroaniline -Chlorophenyl phenyl ether | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.500 < 0.100 < 0.500 < 0.100 < 0.500 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |
| ,2,4-Trichlorobenzene ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,4,5-Trichlorophenol ,4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dinitrotoluene ,6-Dinitrotoluene ,6-Dinitrotoluene -Chlorophenol -Methylnaphthalene -Chlorophenol -Nitrophenol -Nitrophenol -Nitroaniline -Bromophenyl phenyl ether -Chloroaniline -Chlorophenyl phenyl ether -Chloroniline -Chlorophenyl phenyl ether -Chloroniline -Chlorophenyl phenyl ether -Nitroaniline -Chlorophenyl phenyl ether -Nitroaniline -Chlorophenyl phenyl ether -Nitroaniline -Cenaphthene -Cenaphthylene -Chronophenyl phenyl ether -Nitroaniline -Cenaphthylene -Chlorophenyl phenyl ether | < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 | 0.100 | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /30/10 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|-----------------------------|---------|--------------------|-------|----------------|------------------|-------------|----------------|-----|--------------|
| Batch 1000059 - 3520 | | | | | | | | | |
| Method Blank (1000059-BLK4) | | | | Prepared: (| 01/27/10 A | nalyzed: 01 | /30/10 | | |
| Benzo (b) fluoranthene | < 0.100 | 0.100 | ug/L | | | | | | |
| Benzo (g,h,i) perylene | < 0.100 | 0.100 | 11 | | | | | | |
| Benzo (k) fluoranthene | < 0.100 | 0.100 | 11 | | | | | | |
| Bis(2-chloroethoxy)methane | < 0.100 | 0.100 | 11 | | | | | | |
| Bis(2-chloroethyl)ether | < 0.100 | 0.100 | 11 | | | | | | |
| Bis(2-chloroisopropyl)ether | < 0.100 | 0.100 | " | | | | | | |
| Bis(2-ethylhexyl)phthalate | 0.160 | 0.100 | н | | | | | | |
| Butyl benzyl phthalate | < 0.100 | 0.100 | 11 | | | | | | |
| Carbazole | < 0.100 | 0.100 | " | | | | | | |
| Chrysene | < 0.100 | 0.100 | п | | | | | | |
| Dibenz (a,h) anthracene | < 0.100 | 0.100 | 11 | | | | | | |
| Dibenzofuran | < 0.100 | 0.100 | " | | | | | | |
| Diethyl phthalate | < 0.100 | 0.100 | 11 | | | | | | |
| Dimethyl phthalate | < 0.100 | 0.100 | " | | | | | | |
| Di-n-butyl phthalate | < 0.100 | 0.100 | 11 | | | | | | |
| Di-n-octyl phthalate | < 0.100 | 0.100 | 11 | | | | | | |
| Fluoranthene | < 0.100 | 0.100 | 11 | | | | | | |
| Fluorene | < 0.100 | 0.100 | н | | | | | | |
| Hexachlorobenzene | < 0.100 | 0.100 | # | | | | | | |
| Hexachlorobutadiene | < 0.100 | 0.100 | " | | | | | | |
| Hexachlorocyclopentadiene | < 0.500 | 0.500 | 11 | | | | | | |
| Hexachloroethane | < 0.100 | 0.100 | n | | | | | | |
| Indeno (1,2,3-cd) pyrene | < 0.100 | 0.100 | 11 | | | | | | |
| Isophorone | < 0.100 | 0.100 | 11 | | | | | | |
| Naphthalene | < 0.100 | 0.100 | 11 | | | | | | |
| Nitrobenzene | < 0.100 | 0.100 | " | | | | | | |
| N-Nitrosodi-n-propylamine | < 0.100 | 0.100 | ** | | | | | | |
| Pentachlorophenol | < 0.500 | 0.500 | 11 | | | | | | |
| Phenanthrene | < 0.100 | 0.100 | н | | | | | | |
| Phenol | < 0.100 | 0.100 | ** | | | | | | |
| Pyrene | < 0.100 | 0.100 | п | | | | | | |
| Surrogate: 2-Fluorobiphenyl | 0.310 | | " | 0.500 | | 62.0 | 60-130 | | |
| Surrogate: 2-Fluorophenol | 0.310 | | " | 0.500 | | 62.0 | 60-130 | | |
| Surrogate: Nitrobenzene-d5 | 0.140 | | " | 0.500 | | 28.0 | 60-130 | | |
| Surrogate: Phenol-d6 | 0.270 | | " | 0.500 | | 54.0 | 60-130 | | |
| Surrogate: Terphenyl-dl4 | 0.480 | | " | 0.500 | | 96.0 | 60-130 | | |

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Batch 1000059 - 3520 | | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
|--|----------------|----------------|-------|--------------|-------------|--------------|------------------|-----|-------|
| 3atch 1000059 - 3520 | | | | | | | | | |
| Method Blank Spike (1000059-BS1) | | | | Prepared: | 01/26/10 Ar | nalyzed: 01 | /28/10 | | |
| 1,2,4-Trichlorobenzene | 0.680 | 0.100 | ug/L | 1.00 | | 68.0 | 35-105 | | |
| 1,2-Dichlorobenzene | 0.680 | 0.100 | ** | 1.00 | | 68.0 | 35-100 | | |
| 1,3-Dichlorobenzene | 0.670 | 0.100 | #1 | 1.00 | | 67.0 | 30-100 | | |
| 1,4-Dichlorobenzene | 0.690 | 0.100 | " | 1.00 | | 69.0 | 30-100 | | |
| 2,4,5-Trichlorophenol | 0.680 | 0.100 | " | 1.00 | | 68.0 | 50-110 | | |
| 2,4,6-Trichlorophenol | 0.710 | 0.100 | " | 1.00 | | 71.0 | 50-115 | | |
| 2,4-Dichlorophenol | 0.670 | 0.100 | н | 1.00 | | 67.0 | 50-105 | | |
| 2,4-Dimethylphenol | 0.470 | 0.100 | 11 | 1.00 | | 47.0 | 30-110 | | |
| 2,4-Dinitrotoluene | 0.870 | 0.250 | " | 1.00 | | 87.0 | 50-120 | | |
| 2,6-Dinitrotoluene | 0.950 | 0.100 | ** | 1.00 | | 95.0 | 50-115 | | |
| 2-Chloronaphthalene | 0.670 | 0.100 | 41 | 1.00 | | 67.0 | 50-105 | | |
| 2-Chlorophenol | 0.690 | 0.100 | " | 1.00 | | 69.0 | 35-105 | | |
| 2-Methylnaphthalene | 0.670 | 0.100 | | 1.00 | | 67.0 | 45-105 | | |
| 2-Methylphenol | 0.630 | 0.100 | " | 1.00 | | 63.0 | 40-110 | | |
| 2-Nitrophenol | 0.750 | 0.250 | " | 1.00 | | 75.0 | 40-115 | | |
| 3 & 4-Methylphenol | 1.12 | 0.100 | # | 2.00 | | 56.0 | 30-110 | | |
| 3-Nitroaniline | 0.810 | 0.100 | " | 1.00 | | 81.0 | 20-125 | | |
| 4-Bromophenyl phenyl ether | 0.730 | 0.100 | н | 1.00 | | 73.0 | 50-115 | | |
| 4-Chloro-3-methylphenol | 0.710 | 0.500 | " " | 1.00 | | 71.0 | 45-110 | | |
| 4-Chloroaniline | 0.570 | 0.100 | | 1.00 | | 57.0 | 15-110 | | |
| 4-Chlorophenyl phenyl ether | 0.710 | 0.100 | | 1.00 | | 71.0 | 50-110 | | |
| 4-Nitroaniline | 0.840 | 0.500 | | 1.00 | | 84.0 | 35-120 | | |
| Acenaphthene | 0.700 | 0.100 | ** | 1.00 | | 70.0 | 45-110 50.105 | | |
| Acenaphthylene | 0.820 | 0.100 | 11 | 1.00 | | 82.0 | 50-105 55-110 | | |
| Anthracene | 0.740 | 0.100 0.100 | ** | 1.00 1.00 | | 74.0 75.0 | 55-110 50-115 | | |
| Azobenzene | 0.750 | 0.100 | " | 1.00 | | 75.0 88.0 | 55-110 | | |
| Benzo (a) anthracene Benzo (a) pyrene | 0.880 | 0.100 | | 1.00 | | 69.0 | 55-110 55-110 | | |
| Benzo (b) fluoranthene | 0.690 0.850 | 0.100 | ** | 1.00 | | 85.0 | 45-120 | | |
| Benzo (g,h,i) perylene | 0.860 | 0.100 | ** | 1.00 | | 86.0 | 40-125 | | |
| Benzo (k) fluoranthene | 0.860 | 0.100 | " | 1.00 | | 86.0 | 45-125 | | |
| Bis(2-chloroethoxy)methane | 0.700 | 0.100 | | 1.00 | | 70.0 | 45-105 | | |
| Bis(2-chloroethyl)ether | 0.680 | 0.100 | п | 1.00 | | 68.0 | 35-110 | | |
| Bis(2-chloroisopropyl)ether | 0.650 | 0.100 | " | 1.00 | | 65.0 | 25-130 | | |
| Bis(2-ethylhexyl)phthalate | 3.80 | 0.100 | " | 1.00 | | 380 | 40-125 | | |
| Butyl benzyl phthalate | 0.780 | 0.100 | 11 | 1.00 | | 78.0 | 45-115 | | |
| Carbazole | 0.880 | 0.100 | ** | 1.00 | | 88.0 | 50-115 | | |
| Chrysene | 0.850 | 0.100 | " | 1.00 | | 85.0 | 55-110 | | |
| Dibenz (a,h) anthracene | 0.850 | 0.100 | " | 1.00 | | 85.0 | 40-125 | | |
| Dibenzofuran | 0.720 | 0.100 | " | 1.00 | | 72.0 | 55-105 | | |
| Diethyl phthalate | 0.760 | 0.100 | n | 1.00 | | 76.0 | 40-120 | | |
| Dimethyl phthalate | 0.730 | 0.100 | п | 1.00 | | 73.0 | 25-125 | | |
| Di-n-butyl phthalate | 0.820 | 0.100 | н | 1.00 | | 82.0 | 55-115 | | |
| Di-n-octyl phthalate | 0.710 | 0.100 | 41 | 1.00 | | 71.0 | 35-135 | | |
| Fluoranthene | 0.750 | 0.100 | 11 | 1.00 | | 75.0 | 55-115 | | |
| Fluorene | 0.730 | 0.100 | " | 1.00 | | 73.0 | 50-110 | | |
| Hexachlorobenzene | 0.740 | 0.100 | ** | 1.00 | | 74.0 | 50-110 | | |
| Hexachlorobutadiene | 0.660 | 0.100 | 11 | 1.00 | | 66.0 | 25-105 | | |
| Hexachlorocyclopentadiene | 1.06 | 0.500 | # | 1.00 | | 106 | 30-95 | | |
| Hexachloroethane | 0.700 | 0.100 | 11 | 1.00 | | 70.0 | 30-95 | | |
| ndeno (1,2,3-cd) pyrene | 0.860 | 0.100 | н | 1.00 | | 86.0 | 45-125 | | |
| sophorone | 0.680 | 0.100 | # | 1.00 | | 68.0 | 50-110 | | |
| Naphthalene | 0.690 | 0.100 | #1 | 1.00 | | 69.0 | 40-100 | | |
| Nitrobenzene | 0.690 | 0.100 | # | 1.00 | | 69.0 | 45-110 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| A List- | 5 '' | Reporting | 13-14 | Spike | Source | 0/050 | %REC | | RPD |
|----------------------------------|-------------|-----------|-------|-------------|-------------|-------------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000059 - 3520 | | | | | | | | | |
| Method Blank Spike (1000059-BS1) | | | | Prepared: (| 01/26/10 Ar | nalyzed: 01 | /28/10 | | |
| N-Nitrosodi-n-propylamine | 0.650 | 0.100 | ug/L | 1.00 | | 65.0 | 35-130 | | |
| Pentachlorophenol | 0.880 | 0.500 | 11 | 1.00 | | 88.0 | 40-115 | | |
| Phenanthrene | 0.760 | 0.100 | " | 1.00 | | 76.0 | 50-115 | | |
| Phenol | 0.700 | 0.100 | 11 | 1.00 | | 70.0 | 0-115 | | |
| Pyrene | 0.770 | 0.100 | 11 | 1.00 | | 77.0 | 50-130 | | |
| Surrogate: 2-Fluorobiphenyl | 0.340 | | " | 0.500 | | 68.0 | 50-110 | | |
| Surrogate: 2-Fluorophenol | 0.320 | | " | 0.500 | | 64.0 | 20-110 | | |
| Surrogate: Nitrobenzene-d5 | 0.360 | | " | 0.500 | | 72.0 | 40-110 | | |
| Surrogate: Phenol-d6 | 0.350 | | " | 0.500 | | 70.0 | 10-115 | | |
| Surrogate: Terphenyl-dl4 | 0.400 | | " | 0.500 | | 80.0 | 50-135 | | |
| Method Blank Spike (1000059-BS2) | | | | Prepared: (| 01/26/10 Ar | nalyzed: 01 | /28/10 | | |
| ,2,4-Trichlorobenzene | 0.780 | 0.100 | ug/L | 1.00 | | 78.0 | 35-105 | | |
| 1,2-Dichlorobenzene | 0.760 | 0.100 | " | 1.00 | | 76.0 | 35-100 | | |
| I,3-Dichlorobenzene | 0.750 | 0.100 | " | 1.00 | | 75.0 | 30-100 | | |
| I,4-Dichlorobenzene | 0.810 | 0.100 | " | 1.00 | | 81.0 | 30-100 | | |
| 2,4,5-Trichlorophenol | 0.860 | 0.100 | п | 1.00 | | 86.0 | 50-110 | | |
| 2,4,6-Trichlorophenol | 0.880 | 0.100 | " | 1.00 | | 88.0 | 50-115 | | |
| 2,4-Dichlorophenol | 0.820 | 0.100 | " | 1.00 | | 82.0 | 50-105 | | |
| 2,4-Dimethylphenol | 0.800 | 0.100 | " | 1.00 | | 80.0 | 30-110 | | |
| 2,4-Dinitrotoluene | 1.03 | 0.250 | " | 1.00 | | 103 | 50-120 | | |
| 2,6-Dinitrotoluene | 1.12 | 0.100 | 11 | 1.00 | | 112 | 50-115 | | |
| 2-Chloronaphthalene | 0.810 | 0.100 | " | 1.00 | | 81.0 | 50-105 | | |
| 2-Chlorophenol | 0.820 | 0.100 | " | 1.00 | | 82.0 | 35-105 | | |
| ?-Methylnaphthalene | 0.800 | 0.100 | 11 | 1.00 | | 80.0 | 45-105 | | |
| ?-Methylphenol | 0.800 | 0.100 | " | 1.00 | | 80.0 | 40-110 | | |
| 2-Nitrophenol | 0.920 | 0.250 | " | 1.00 | | 92.0 | 40-115 | | |
| 3 & 4-Methylphenol | 1.45 | 0.100 | 4 | 2.00 | | 72.5 | 30-110 | | |
| 3-Nitroaniline | 1.00 | 0.100 | п | 1.00 | | 100 | 20-125 | | |
| 1-Bromophenyl phenyl ether | 0.890 | 0.100 | " | 1.00 | | 89.0 | 50-115 | | |
| 1-Chloro-3-methylphenol | 0.850 | 0.500 | 4 | 1.00 | | 85.0 | 45-110 | | |
| 1-Chloroaniline | 0.760 | 0.100 | п | 1.00 | | 76.0 | 15-110 | | |
| 1-Chlorophenyl phenyl ether | 0.840 | 0.100 | 11 | 1.00 | | 84.0 | 50-110 | | |
| l-Nitroaniline | 1.02 | 0.500 | " | 1.00 | | 102 | 35-120 | | |
| Acenaphthene | 0.830 | 0.100 | " | 1.00 | | 83.0 | 45-110 | | |
| Acenaphthylene | 0.990 | 0.100 | # | 1.00 | | 99.0 | 50-105 | | |
| Anthracene | 0.870 | 0.100 | п | 1.00 | | 87.0 | 55-110 | | |
| Azobenzene | 0.920 | 0.100 | 11 | 1.00 | | 92.0 | 50-115 | | |
| Benzo (a) anthracene | 0.980 | 0.100 | п | 1.00 | | 98.0 | 55-110 | | |
| Benzo (a) pyrene | 0.810 | 0.100 | " | 1.00 | | 81.0 | 55-110 | | |
| Benzo (b) fluoranthene | 0.980 | 0.100 | н | 1.00 | | 98.0 | 45-120 | | |
| Benzo (g,h,i) perylene | 0.880 | 0.100 | 11 | 1.00 | | 88.0 | 40-125 | | |
| Benzo (k) fluoranthene | 0.960 | 0.100 | " | 1.00 | | 96.0 | 45-125 | | |
| Bis(2-chloroethoxy)methane | 0.870 | 0.100 | ** | 1.00 | | 87.0 | 45-105 | | |
| Bis(2-chloroethyl)ether | 0.800 | 0.100 | " | 1.00 | | 80.0 | 35-110 | | |
| Bis(2-chloroisopropyl)ether | 0.800 | 0.100 | н | 1.00 | | 80.0 | 25-130 | | |
| Bis(2-ethylhexyl)phthalate | 42.9 | 0.100 | н | 1.00 | | NR | 40-125 | | |
| Butyl benzyl phthalate | 1.02 | 0.100 | " | 1.00 | | 102 | 45-115 | | |
| Carbazole | 0.980 | 0.100 | ** | 1.00 | | 98.0 | 50-115 | | |
| Chrysene | 0.870 | 0.100 | п | 1.00 | | 87.0 | 55-110 | | |
| Dibenz (a,h) anthracene | 0.900 | 0.100 | " | 1.00 | | 90.0 | 40-125 | | |
| Dibenzofuran | 0.860 | 0.100 | " | 1.00 | | 86.0 | 55-105 | | |
| Diethyl phthalate | 0.880 | 0.100 | ** | 1.00 | | 88.0 | 40-120 | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 247 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result %RE | %REC C Limits | RPD | RPD Limit |
|--|---|---|--|--|---|--|-----|--------------|
| atch 1000059 - 3520 | | <u> </u> | | | | | | |
| ethod Blank Spike (1000059-BS2) | | | | Prepared: (| 01/26/10 Analyzed | 01/28/10 | | |
| Dimethyl phthalate | 0.880 | 0.100 | ug/L | 1.00 | 88.0 | 25-125 | | |
| Di-n-butyl phthalate | 0.800 | 0.100 | " | 1.00 | 80.0 | | | |
| Di-n-octyl phthalate | 1.01 | 0.100 | " | 1.00 | 101 | | | |
| Iuoranthene | 0.860 | 0.100 | " | 1.00 | 86.0 | | | |
| luorene | 0.880 | 0.100 | ** | 1.00 | 88.0 | | | |
| lexachlorobenzene | 0.860 | 0.100 | " | 1.00 | 86.0 | | | |
| łexachlorobutadiene | 0.740 | 0.100 | ** | 1.00 | 74.0 | | | |
| | | 0.500 | " | 1.00 | 108 | | | |
| lexachlorocyclopentadiene lexachloroethane | 1.08 | 0.100 | " | 1.00 | 78.0 | | | |
| | 0.780 | | | | | | | |
| ndeno (1,2,3-cd) pyrene | 0.930 | 0.100 | 4 | 1.00 | 93.0 | | | |
| ophorone | 0.860 | 0.100 | ,, | 1.00 | 86.0 | | | |
| aphthalene | 0.810 | 0.100 | | 1.00 | 81.0 | | | |
| itrobenzene | 0.830 | 0.100 | | 1.00 | 83.0 | | | |
| l-Nitrosodi-n-propylamine | 0.830 | 0.100 | " | 1.00 | 83.0 | | | |
| entachlorophenol | 1.53 | 0.500 | 11 | 1.00 | 153 | | | |
| henanthrene | 0.880 | 0.100 | # | 1.00 | 88.0 | | | |
| henol | 0.840 | 0.100 | ** | 1.00 | 84.0 | | | |
| yrene | 0.850 | 0.100 | " | 1.00 | 85.0 | 50-130 | | |
| urrogate: 2-Fluorobiphenyl | 0.420 | | " | 0.500 | 84.0 | 50-110 | | |
| urrogate: 2-Fluorophenol | 0.390 | | " | 0.500 | 78.0 | 20-110 | | |
| urrogate: Nitrobenzene-d5 | 0.450 | | " | 0.500 | 90.0 | 40-110 | | |
| urrogate: Phenol-d6 | 0.440 | | " | 0.500 | 88.0 | 10-115 | | |
| urrogate: Terphenyl-dl4 | 0.410 | | " | 0.500 | 82.0 | 50-135 | | |
| 2,4-Trichlorobenzene 2-Dichlorobenzene | 0.710 0.720 | 0.100 | ug/L " | 1.00 1.00 | 71.0 72.0 | | | |
| 2-Dichlorobenzene | 0.720 | 0.100 | " | 1.00 | 72.0 | 35-100 | | |
| ,3-Dichlorobenzene | 0.730 | 0.100 | n | 1.00 | 73.0 | 30-100 | | |
| 4-Dichlorobenzene | 0.730 | 0.100 | " | 1.00 | 73.0 | | | |
| ,4,5-Trichlorophenol | 0.750 | 0.100 | " | 1.00 | 75.0 | 50-110 | | |
| | | | 41 | 1.00 | 79.0 | 50-115 | | |
| 4,6-Trichlorophenol | 0.790 | 0.100 | | 1.00 | | 00 170 | | |
| • | 0.790 0.720 | 0.100 0.100 | " | 1.00 | 72.0 | | | |
| 4-Dichlorophenol | | | 11 | | | 50-105 | | |
| 4-Dichlorophenol 4-Dimethylphenol | 0.720 | 0.100 | | 1.00 | 72.0 | 50-105 30-110 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene | 0.720 0.500 | 0.100 0.100 | н | 1.00 1.00 | 72.0 50.0 | 50-105 30-110 50-120 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene | 0.720 0.500 0.940 | 0.100 0.100 0.250 | " | 1.00 1.00 1.00 | 72.0 50.0 94.0 | 50-105 30-110 50-120 50-115 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chloronaphthalene | 0.720 0.500 0.940 1.03 | 0.100 0.100 0.250 0.100 | 11 11 | 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 | 50-105 30-110 50-120 50-115 50-105 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chloronaphthalene -Chlorophenol | 0.720 0.500 0.940 1.03 0.720 | 0.100 0.100 0.250 0.100 0.100 | n n | 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 | 50-105 30-110 50-120 50-115 50-105 35-105 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene | 0.720 0.500 0.940 1.03 0.720 0.750 | 0.100 0.100 0.250 0.100 0.100 0.100 | 11 11 11 | 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 75.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol | 0.720 0.500 0.940 1.03 0.720 0.750 | 0.100 0.100 0.250 0.100 0.100 0.100 0.100 | 11 11 11 | 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 75.0 71.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitrophenol | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.710 | 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 | n n n n | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 75.0 71.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitrophenol & 4-Methylphenol | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.710 0.810 1.32 | 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.250 0.100 | n n n n n | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 75.0 71.0 81.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Nitrophenol & 4-Methylphenol -Nitroaniline | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.710 0.810 1.32 0.910 | 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.100 | " " " " " " " " | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 75.0 71.0 81.0 66.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene 6-Dinitrotoluene Chloronaphthalene Chlorophenol Methylnaphthalene Methylphenol Nitrophenol & 4-Methylphenol Nitroaniline Bromophenyl phenyl ether | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.710 0.810 1.32 0.910 0.800 | 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 | " " " " " " " " " " " " | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 71.0 71.0 81.0 91.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene 6-Dinitrotoluene Chloronaphthalene Chlorophenol Methylnaphthalene Methylphenol Nitrophenol & 4-Methylphenol Nitroaniline Bromophenyl phenyl ether Chloro-3-methylphenol | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.710 0.810 1.32 0.910 0.800 0.830 | 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 | 11 11 11 11 11 11 11 11 11 11 11 11 11 | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 71.0 81.0 66.0 91.0 83.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene 6-Dinitrotoluene Chloronaphthalene Chlorophenol Methylnaphthalene Methylphenol Nitrophenol & 4-Methylphenol Nitroaniline Bromophenyl phenyl ether Chloro-3-methylphenol Chloroaniline | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.810 1.32 0.910 0.800 0.830 0.620 | 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.500 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 71.0 81.0 66.0 91.0 83.0 62.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene 6-Dinitrotoluene 6-Chlorophenol Methylnaphthalene Methylphenol Nitrophenol 8-4-Methylphenol Nitroaniline Bromophenyl phenyl ether Chloro-3-methylphenol Chlorophenyl phenyl ether | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.810 1.32 0.910 0.800 0.830 0.620 0.770 | 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.500 0.100 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 71.0 81.0 66.0 91.0 83.0 62.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 50-110 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene 6-Dinitrotoluene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitrophenol & 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether -Chloro-3-methylphenol -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.810 1.32 0.910 0.800 0.830 0.620 0.770 0.970 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.500 0.100 0.100 0.500 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 71.0 81.0 66.0 91.0 80.0 83.0 62.0 77.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 15-110 50-110 35-120 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chlorophenol -Methylphenol -Methylphenol -Nitrophenol -Nitrophenol -Nitroaniline -Bromophenyl phenyl ether -Chloroaniline -Chlorophenyl phenyl ether -Nitroaniline -Cenaphthene | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.810 1.32 0.910 0.800 0.830 0.620 0.770 0.970 | 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.500 0.100 0.500 0.100 0.500 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 71.0 81.0 66.0 91.0 83.0 62.0 77.0 97.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 50-110 35-120 45-110 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chlorophenol -Methylphenol -Methylphenol -Nitrophenol 8 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether -Chloro-3-methylphenol -Chloroaniline -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether -Nitroaniline -cenaphthene | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.810 1.32 0.910 0.800 0.830 0.620 0.770 0.970 0.750 0.870 | 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.500 0.100 0.500 0.100 0.500 0.100 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 71.0 81.0 66.0 91.0 83.0 62.0 77.0 97.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 15-110 50-110 35-120 45-110 50-105 | | |
| .4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Methylphenol -Nitrophenol & 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether -Chloro-3-methylphenol -Chloroaniline -Chlorophenyl phenyl ether -Nitroaniline -Chlorophenyl phenyl ether -Nitroaniline -Chlorophenyl phenyl ether -Nitroaniline -Cenaphthene -Cenaphthylene | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.810 1.32 0.910 0.800 0.830 0.620 0.770 0.970 0.750 0.870 0.800 | 0.100 0.100 0.250 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 71.0 81.0 66.0 91.0 83.0 62.0 77.0 97.0 87.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 15-110 35-120 45-110 50-105 55-110 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene 6-Dinitrotoluene 6-Chloronaphthalene -Chlorophenol -Methylphenol -Mitrophenol 8 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether -Chloro-3-methylphenol -Chloroaniline -Chlorophenyl phenyl ether -Nitroaniline -cenaphthene -cenaphthylene -inthracene -zobenzene | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.810 1.32 0.910 0.800 0.830 0.620 0.770 0.970 0.750 0.870 0.800 0.820 | 0.100 0.100 0.250 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 75.0 71.0 81.0 66.0 91.0 83.0 62.0 77.0 97.0 87.0 88.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 15-110 50-105 50-105 55-110 50-105 | | |
| 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chlorophenol -Methylphenol -Methylphenol -Nitrophenol 8 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether -Chloroaniline -Chloroaniline -Chlorophenyl phenyl ether -Nitroaniline ccenaphthene | 0.720 0.500 0.940 1.03 0.720 0.750 0.710 0.810 1.32 0.910 0.800 0.830 0.620 0.770 0.970 0.750 0.870 0.800 | 0.100 0.100 0.250 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 72.0 50.0 94.0 103 72.0 71.0 81.0 66.0 91.0 83.0 62.0 77.0 97.0 87.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 50-110 50-105 55-110 50-115 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|----------------------------------|--------|-----------|-------|-------------|-------------|-------------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000059 - 3520 | | | | | | | | | |
| Method Blank Spike (1000059-BS3) | | | | Prepared: (| 01/26/10 Ar | nalyzed: 01 | /29/10 | | |
| Benzo (b) fluoranthene | 0.840 | 0.100 | ug/L | 1.00 | | 84.0 | 45-120 | | |
| Benzo (g,h,i) perylene | 0.860 | 0.100 | 11 | 1.00 | | 86.0 | 40-125 | | |
| Benzo (k) fluoranthene | 0.840 | 0.100 | 11 | 1.00 | | 84.0 | 45-125 | | |
| Bis(2-chloroethoxy)methane | 0.760 | 0.100 | n | 1.00 | | 76.0 | 45-105 | | |
| Bis(2-chloroethyl)ether | 0.730 | 0.100 | 11 | 1.00 | | 73.0 | 35-110 | | |
| Bis(2-chloroisopropyl)ether | 0.710 | 0.100 | n | 1.00 | | 71.0 | 25-130 | | |
| Bis(2-ethylhexyl)phthalate | 1.17 | 0.100 | n | 1.00 | | 117 | 40-125 | | |
| Butyl benzyl phthalate | 0.770 | 0.100 | n | 1.00 | | 77.0 | 45-115 | | |
| Carbazole | 0.900 | 0.100 | п | 1.00 | | 90.0 | 50-115 | | |
| Chrysene | 0.840 | 0.100 | п | 1.00 | | 84.0 | 55-110 | | |
| Dibenz (a,h) anthracene | 0.860 | 0.100 | 11 | 1.00 | | 86.0 | 40-125 | | |
| Dibenzofuran | 0.770 | 0.100 | n | 1.00 | | 77.0 | 55-105 | | |
| Diethyl phthalate | 0.820 | 0.100 | n | 1.00 | | 82.0 | 40-120 | | |
| Dimethyl phthalate | 0.800 | 0.100 | п | 1.00 | | 80.0 | 25-125 | | |
| Di-n-butyl phthalate | 0.810 | 0.100 | 11 | 1.00 | | 81.0 | 55-115 | | |
| Di-n-octyl phthalate | 0.760 | 0.100 | # | 1.00 | | 76.0 | 35-135 | | |
| Fluoranthene | 0.790 | 0.100 | 11 | 1.00 | | 79.0 | 55-115 | | |
| Fluorene | 0.790 | 0.100 | н | 1.00 | | 79.0 | 50-110 | | |
| Hexachlorobenzene | 0.780 | 0.100 | #1 | 1.00 | | 78.0 | 50-110 | | |
| Hexachlorobutadiene | 0.690 | 0.100 | 11 | 1.00 | | 69.0 | 25-105 | | |
| Hexachlorocyclopentadiene | 0.810 | 0.500 | 11 | 1.00 | | 81.0 | 30-95 | | |
| Hexachloroethane | 0.770 | 0.100 | # | 1.00 | | 77.0 | 30-95 | | |
| ndeno (1,2,3-cd) pyrene | 0.880 | 0.100 | 11 | 1.00 | | 88.0 | 45-125 | | |
| sophorone | 0.760 | 0.100 | 11 | 1.00 | | 76.0 | 50-110 | | |
| Naphthalene | 0.730 | 0.100 | " | 1.00 | | 73.0 | 40-100 | | |
| Nitrobenzene | 0.720 | 0.100 | " | 1.00 | | 72.0 | 45-110 | | |
| N-Nitrosodi-n-propylamine | 0.730 | 0.100 | # | 1.00 | | 73.0 | 35-130 | | |
| Pentachlorophenol | 0.970 | 0.500 | 11 | 1.00 | | 97.0 | 40-115 | | |
| Phenanthrene | 0.800 | 0.100 | н | 1.00 | | 80.0 | 50-115 | | |
| Phenol | 0.780 | 0.100 | " | 1.00 | | 78.0 | 0-115 | | |
| Pyrene | 0.770 | 0.100 | ** | 1.00 | | 77.0 | 50-130 | | |
| Surrogate: 2-Fluorobiphenyl | 0.390 | | " | 0.500 | | 78.0 | 50-110 | | |
| Surrogate: 2-Fluorophenol | 0.370 | | " | 0.500 | | 74.0 | 20-110 | | |
| Surrogate: Nitrobenzene-d5 | 0.400 | | " | 0.500 | | 80.0 | 40-110 | | |
| Surrogate: Phenol-d6 | 0.410 | | " | 0.500 | | 82.0 | 10-115 | | |
| Surrogate: Terphenyl-dl4 | 0.400 | | " | 0.500 | | 80.0 | 50-135 | | |

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|----------------|--------------------|-------|----------------|------------------|--------------|------------------|-----|--------------|
| Batch 1000059 - 3520 | | | | _ | _ | | | _ | _ |
| Method Blank Spike (1000059-BS4) | | | | Prepared: (|)1/27/10 Ar | nalyzed: 01 | /30/10 | | |
| 1,2,4-Trichlorobenzene | 0.750 | 0.100 | ug/L | 1.00 | _ | 75.0 | 35-105 | | |
| 1,2-Dichlorobenzene | 0.750 | 0.100 | п | 1.00 | | 75.0 | 35-100 | | |
| 1,3-Dichlorobenzene | 0.750 | 0.100 | п | 1.00 | | 75.0 | 30-100 | | |
| 1,4-Dichlorobenzene | 0.730 | 0.100 | п | 1.00 | | 73.0 | 30-100 | | |
| 2,4,5-Trichlorophenol | 0.650 | 0.100 | п | 1.00 | | 65.0 | 50-110 | | |
| 2,4,6-Trichlorophenol | 0.690 | 0.100 | n | 1.00 | | 69.0 | 50-115 | | |
| 2,4-Dichlorophenol | 0.620 | 0.100 | н | 1.00 | | 62.0 | 50-105 | | |
| 2,4-Dimethylphenol | 0.360 | 0.100 | n | 1.00 | | 36.0 | 30-110 | | |
| 2,4-Dinitrotoluene | 0.920 | 0.250 | п | 1.00 | | 92.0 | 50-120 | | |
| 2,6-Dinitrotoluene | 1.04 | 0.100 | н | 1.00 | | 104 | 50-115 | | |
| 2-Chloronaphthalene | 0.760 | 0.100 | 4 | 1.00 | | 76.0 | 50-105 | | |
| 2-Chlorophenol | 0.670 | 0.100 | n | 1.00 | | 67.0 | 35-105 | | |
| 2-Methylnaphthalene | 0.750 | 0.100 | n | 1.00 | | 75.0 | 45-105 | | |
| 2-Methylphenol | 0.650 | 0.100 | " | 1.00 | | 65.0 | 40-110 | | |
| 2-Nitrophenol | 0.770 | 0.250 | 11 | 1.00 | | 77.0 | 40-115 | | |
| 3 & 4-Methylphenol | 1.17 | 0.100 | п | 2.00 | | 58.5 | 30-110 | | |
| 3-Nitroaniline | 0.920 | 0.100 | ** | 1.00 | | 92.0 | 20-125 | | |
| 4-Bromophenyl phenyl ether | 0.820 | 0.100 | п | 1.00 | | 82.0 | 50-115 | | |
| 4-Chloro-3-methylphenol | 0.800 | 0.500 | 11 | 1.00 | | 80.0 | 45-110 | | |
| 4-Chloroaniline | 0.660 | 0.100 | | 1.00 | | 66.0 | 15-110 | | |
| 4-Chlorophenyl phenyl ether | 0.790 | 0.100 | n | 1.00 | | 79.0 | 50-110 | | |
| 4-Cinorophenyr phenyr ether 4-Nitroaniline | 0.790 | 0.100 | п | 1.00 | | 93.0 | 35-110 35-120 | | |
| Acenaphthene | 0.930 0.790 | 0.300 | 11 | 1.00 | | 79.0 | 45-110 | | |
| Acenaphthene Acenaphthylene | | 0.100 | п | 1.00 | | 79.0 93.0 | 50-105 | | |
| • | 0.930 | | п | | | | | | |
| Anthracene | 0.840 | 0.100 | | 1.00 | | 84.0 | 55-110 50-115 | | |
| Azobenzene | 0.870 | 0.100 | " | 1.00 | | 87.0 05.0 | 50-115 | | |
| Benzo (a) anthracene | 0.950 | 0.100 | " " | 1.00 | | 95.0 | 55-110 | | |
| Benzo (a) pyrene | 0.780 | 0.100 | | 1.00 | | 78.0 | 55-110 | | |
| Benzo (b) fluoranthene | 0.910 | 0.100 | " | 1.00 | | 91.0 | 45-120 | | |
| Benzo (g,h,i) perylene | 0.850 | 0.100 | " | 1.00 | | 85.0 | 40-125 | | |
| Benzo (k) fluoranthene | 0.930 | 0.100 | " | 1.00 | | 93.0 | 45-125 | | |
| Bis(2-chloroethoxy)methane | 0.780 | 0.100 | " | 1.00 | | 78.0 | 45-105 | | |
| Bis(2-chloroethyl)ether | 0.740 | 0.100 | n | 1.00 | | 74.0 | 35-110 | | |
| Bis(2-chloroisopropyl)ether | 0.750 | 0.100 | " | 1.00 | | 75.0 | 25-130 | | |
| Bis(2-ethylhexyl)phthalate | 1.07 | 0.100 | " | 1.00 | | 107 | 40-125 | | |
| Butyl benzyl phthalate | 0.880 | 0.100 | " | 1.00 | | 88.0 | 45-115 | | |
| Carbazole | 0.940 | 0.100 | п | 1.00 | | 94.0 | 50-115 | | |
| Chrysene | 0.890 | 0.100 | " | 1.00 | | 89.0 | 55-110 | | |
| Dibenz (a,h) anthracene | 0.890 | 0.100 | ** | 1.00 | | 89.0 | 40-125 | | |
| Dibenzofuran | 0.810 | 0.100 | н | 1.00 | | 81.0 | 55-105 | | |
| Diethyl phthalate | 0.820 | 0.100 | п | 1.00 | | 82.0 | 40-120 | | |
| Dimethyl phthalate | 0.800 | 0.100 | 11 | 1.00 | | 80.0 | 25-125 | | |
| Di-n-butyl phthalate | 0.880 | 0.100 | 11 | 1.00 | | 88.0 | 55-115 | | |
| Di-n-octyl phthalate | 0.880 | 0.100 | n | 1.00 | | 88.0 | 35-135 | | |
| Fluoranthene | 0.840 | 0.100 | n | 1.00 | | 84.0 | 55-115 | | |
| Fluorene | 0.820 | 0.100 | | 1.00 | | 82.0 | 50-110 | | |
| Hexachlorobenzene | 0.800 | 0.100 | " | 1.00 | | 80.0 | 50-110 | | |
| Hexachlorobutadiene | 0.730 | 0.100 | " | 1.00 | | 73.0 | 25-105 | | |
| Hexachlorocyclopentadiene | 0.730 | 0.500 | ** | 1.00 | | 68.0 | 30-95 | | |
| Hexachloroethane | 0.000 | 0.100 | 11 | 1.00 | | 79.0 | 30-95 | | |
| Indeno (1,2,3-cd) pyrene | | 0.100 | п | 1.00 | | 93.0 | 45-125 | | |
| * * * * * * * * * * * * * * * * * * * | 0.930 | 0.100 | 11 | 1.00 | | 93.0 77.0 | 50-110 | | |
| sophorone | 0.770 | | п | | | | | | |
| Naphthalene | 0.770 | 0.100 | | 1.00 | | 77.0 | 40-100 | | |
| Nitrobenzene | 0.770 | 0.100 | | 1.00 | | 77.0 | 45-110 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|--------------------|-------------|----------------|------------------|-------------|----------------|------------|--------------|
| Batch 1000059 - 3520 | | | | | | | | | |
| Method Blank Spike (1000059-BS4) | | | | Prepared: (| 01/27/10 Ai | nalyzed: 01 | /30/10 | | |
| N-Nitrosodi-n-propylamine | 0.770 | 0.100 | ug/L | 1.00 | | 77.0 | 35-130 | | |
| Pentachlorophenol | 0.960 | 0.500 | п | 1.00 | | 96.0 | 40-115 | | |
| Phenanthrene | 0.820 | 0.100 | 11 | 1.00 | | 82.0 | 50-115 | | |
| Phenol | 0.760 | 0.100 | " | 1.00 | | 76.0 | 0-115 | | |
| Pyrene | 0.820 | 0.100 | H | 1.00 | | 82.0 | 50-130 | | |
| Surrogate: 2-Fluorobiphenyl | 0.410 | | " | 0.500 | | 82.0 | 50-110 | | |
| Surrogate: 2-Fluorophenol | 0.330 | | " | 0.500 | | 66.0 | 20-110 | | |
| Surrogate: Nitrobenzene-d5 | 0.460 | | " | 0.500 | | 92.0 | 40-110 | | |
| Surrogate: Phenol-d6 | 0.420 | | " | 0.500 | | 84.0 | 10-115 | | |
| Surrogate: Terphenyl-dl4 | 0.450 | | " | 0.500 | | 90.0 | 50-135 | | |
| Matrix Spike (1000059-MS1) | So | urce: 1001002- |)3 | Prepared: (| 01/26/10 Ai | nalyzed: 01 | /29/10 | | |
| 1,2,4-Trichlorobenzene | 0.850 | 0.100 | ug/L | 1.00 | 0.00 | 85.0 | 35-105 | | |
| 1,2-Dichlorobenzene | 0.840 | 0.100 | " | 1.00 | 0.00 | 84.0 | 35-100 | | |
| i,3-Dichlorobenzene | 0.850 | 0.100 | 11 | 1.00 | 0.00 | 85.0 | 30-100 | | |
| 1,4-Dichlorobenzene | 0.900 | 0.100 | н | 1.00 | 0.00 | 90.0 | 30-100 | | |
| 2,4,5-Trichlorophenol | 0.730 | 0.100 | п | 1.00 | 0.00 | 73.0 | 50-110 | | |
| 2,4,6-Trichlorophenol | 0.840 | 0.100 | 11 | 1.00 | 0.00 | 84.0 | 50-115 | | |
| 2,4-Dichlorophenol | 0.880 | 0.100 | п | 1.00 | 0.00 | 88.0 | 50-105 | | |
| 2,4-Dimethylphenol | 0.620 | 0.100 | п | 1.00 | 0.00 | 62.0 | 30-110 | | |
| 2,4-Dinitrotoluene | 1.09 | 0.250 | ** | 1.00 | 0.00 | 109 | 50-120 | | |
| 2,6-Dinitrotoluene | 1.16 | 0.100 | 11 | 1.00 | 0.00 | 116 | 50-115 | | |
| 2-Chloronaphthalene | 0.860 | 0.100 | " | 1.00 | 0.00 | 86.0 | 50-105 | | |
| 2-Chlorophenol | 0.880 | 0.100 | п | 1.00 | 0.00 | 88.0 | 35-105 | | |
| 2-MethyInaphthalene | 0.870 | 0.100 | # | 1.00 | 0.00 | 87.0 | 45-105 | | |
| 2-Methylphenol | 0.860 | 0.100 | ** | 1.00 | 0.00 | 86.0 | 40-110 | | |
| 2-Nitrophenol | 0.990 | 0.250 | " | 1.00 | 0.00 | 99.0 | 40-115 | | |
| B & 4-Methylphenol | 1.51 | 0.100 | 41 | 2.00 | 0.00 | 75.5 | 30-110 | | |
| 3-Nitroaniline | 1.07 | 0.100 | 11 | 1.00 | 0.00 | 107 | 20-125 | | |
| 4-Bromophenyl phenyl ether | 0.900 | 0.100 | " | 1.00 | 0.00 | 90.0 | 50-115 | | |
| 4-Chloro-3-methylphenol | 0.840 | 0.500 | 41 | 1.00 | 0.00 | 84.0 | 45-110 | | |
| 1-Chloroaniline | 0.280 | 0.100 | " | 1.00 | 0.00 | 28.0 | 15-110 | | |
| 4-Chlorophenyl phenyl ether | 0.860 | 0.100 | 11 | 1.00 | 0.00 | 86.0 | 50-110 | | |
| 4-Nitroaniline | 0.970 | 0.500 | ** | 1.00 | 0.00 | 97.0 | 35-120 | | |
| Acenaphthene | 0.860 | 0.100 | " | 1.00 | 0.00 | 86.0 | 45-110 | | |
| Acenaphthylene | 1.01 | 0.100 | # | 1.00 | 0.00 | 101 | 50-105 | | |
| Anthracene | 0.840 | 0.100 | " | 1.00 | 0.00 | 84.0 | 55-110 | | |
| Azobenzene | 0.960 | 0.100 | " | 1.00 | 0.00 | 96.0 | 50-115 | | |
| Benzo (a) anthracene | 1.00 | 0.100 | 4 | 1.00 | 0.00 | 100 | 55-110 | | |
| Benzo (a) pyrene | 0.860 | 0.100 | " | 1.00 | 0.00 | 86.0 | 55-110 | | |
| Benzo (b) fluoranthene | 1.01 | 0.100 | " | 1.00 | 0.00 | 101 | 45-120 | | |
| Benzo (g,h,i) perylene | 0.870 | 0.100 | " | 1.00 | 0.00 | 87.0 | 40-125 | | |
| Benzo (k) fluoranthene | 0.990 | 0.100 | " | 1.00 | 0.00 | 99.0 | 45-125 | | |
| Bis(2-chloroethoxy)methane | 0.960 | 0.100 | " | 1.00 | 0.00 | 96.0 | 45-105 | | |
| Bis(2-chloroethyl)ether | 0.880 | 0.100 | " | 1.00 | 0.00 | 88.0 | 35-110 | | |
| Bis(2-chloroisopropyl)ether | 0.900 | 0.100 | " | 1.00 | 0.00 | 90.0 | 25-130 | | |
| Bis(2-ethylhexyl)phthalate | 3.23 | 0.100 | " | 1.00 | 1.80 | 143 | 40-125 | | |
| Butyl benzyl phthalate | 0.960 | 0.100 | | 1.00 | 0.00 | 96.0 | 45-115 | | |
| Carbazole | 0.970 | 0.100 | " | 1.00 | 0.00 | 97.0 | 50-115 | | |
| Chrysene | 0.880 | 0.100 | | 1.00 | 0.00 | 88.0 | 55-110 | | |
| Dibenz (a,h) anthracene | 0.860 | 0.100 | " | 1.00 | 0.00 | 86.0 | 40-125 | | |
| Dibenzofuran | 0.890 | 0.100 | | 1.00 | 0.00 | 89.0 | 55-105 | | |
| Diethyl phthalate | 0.910 | 0.100 | " | 1.00 | 0.00 | 91.0 | 40-120 | | |
| 001002,1001003,1001005 FINAL 06 09 11 1029 | | Page | e 251 of 29 | 91 | | | P | rint Date: | 09-Jun-2011 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---|---|--|--|--|---|--|-----|--------------|
| Batch 1000059 - 3520 | | | | | | | | | |
| latrix Spike (1000059-MS1) | Soui | rce: 1001002-0 | 3 | Prepared: (| 01/26/10 Ar | nalyzed: 01 | /29/10 | | |
| Dimethyl phthalate | 0.890 | 0.100 | ug/L | 1.00 | 0.00 | 89.0 | 25-125 | | |
| Di-n-butyl phthalate | 0.950 | 0.100 | " | 1.00 | 0.00 | 95.0 | 55-115 | | |
| Di-n-octyl phthalate | 1.05 | 0.100 | 11 | 1.00 | 0.140 | 91.0 | 35-135 | | |
| Tuoranthene | 0.920 | 0.100 | 11 | 1.00 | 0.00 | 92.0 | 55-115 | | |
| Fluorene | 0.920 | 0.100 | п | 1.00 | 0.00 | 91.0 | 50-110 | | |
| łexachlorobenzene | 0.850 | 0.100 | 11 | 1.00 | 0.00 | 85.0 | 50-110 | | |
| Hexachlorobutadiene | 0.830 | 0.100 | п | 1.00 | 0.00 | 83.0 | 25-105 | | |
| | | 0.500 | " | 1.00 | | 139 | 30-95 | | |
| Hexachlorocyclopentadiene Hexachloroethane | 1.39 | 0.100 | ** | 1.00 | 0.00 | 91.0 | 30-95 | | |
| | 0.910 | | п | | 0.00 | | | | |
| ndeno (1,2,3-cd) pyrene | 0.920 | 0.100 | n | 1.00 | 0.00 | 92.0 | 45-125 | | |
| sophorone | 0.940 | 0.100 | | 1.00 | 0.00 | 94.0 | 50-110 | | |
| laphthalene | 0.880 | 0.100 | | 1.00 | 0.00 | 88.0 | 40-100 | | |
| litrobenzene | 0.900 | 0.100 | | 1.00 | 0.00 | 90.0 | 45-110 | | |
| I-Nitrosodi-n-propylamine | 0.950 | 0.100 | | 1.00 | 0.00 | 95.0 | 35-130 | | |
| entachlorophenol | 2.23 | 0.500 | " | 1.00 | 0.00 | 223 | 40-115 | | |
| Phenanthrene | 0.850 | 0.100 | п | 1.00 | 0.00 | 85.0 | 50-115 | | |
| henol | 0.920 | 0.100 | 11 | 1.00 | 0.00 | 92.0 | 0-115 | | |
| yrene | 0.910 | 0.100 | n | 1.00 | 0.00 | 91.0 | 50-130 | | |
| urrogate: 2-Fluorobiphenyl | 0.450 | | " | 0.500 | | 90.0 | 50-110 | | |
| urrogate: 2-Fluorophenol | 0.440 | | " | 0.500 | | 88.0 | 20-110 | | |
| urrogate: Nitrobenzene-d5 | 0.500 | | " | 0.500 | | 100 | 40-110 | | |
| urrogate: Phenol-d6 | 0.480 | | " | 0.500 | | 96.0 | 10-115 | | |
| urrogate: Terphenyl-dl4 | 0.480 | | " | 0.500 | | 96.0 | 50-135 | | |
| 2,4-Trichlorobenzene | 0.830 | 0.100 | ug/L " | 1.00 | 0.00 | 83.0 81.0 | 35-105 35-100 | | |
| ,2-Dichlorobenzene | 0.810 | 0.100 | п | 1.00 | 0.00 | 81.0 | 35-100 | | |
| ,3-Dichlorobenzene | 0.800 | 0.100 | 41 | 1.00 | 0.00 | 80.0 | 30-100 | | |
| ,4-Dichlorobenzene | 0.810 | 0.100 | п | 1.00 | 0.00 | 81.0 | 30-100 | | |
| 4.5. Trichlorophonol | 1.01 | 0.100 | n | 1.00 | 0.00 | 101 | 50-110 | | |
| t,4,5-Trichlorophenol | 1.01 | | | | | 407 | 50 445 | | |
| • | 1.07 | 0.100 | 41 | 1.00 | 0.00 | 107 | 50-115 | | |
| ,4,6-Trichlorophenol | | | " | 1.00 1.00 | 0.00 0.00 | 107 97.0 | 50-115 50-105 | | |
| 4,6-Trichlorophenol 4-Dichlorophenol | 1.07 | 0.100 | | | | | | | |
| .4.6-Trichlorophenol .4-Dichlorophenol .4-Dimethylphenol | 1.07 0.970 | 0.100 0.100 | п | 1.00 | 0.00 | 97.0 | 50-105 | | |
| .4.6-Trichlorophenol .4-Dichlorophenol .4-Dimethylphenol .4-Dinitrotoluene | 1.07 0.970 0.810 | 0.100 0.100 0.100 | " | 1.00 1.00 | 0.00 0.00 | 97.0 81.0 | 50-105 30-110 | | |
| .4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene | 1.07 0.970 0.810 1.13 | 0.100 0.100 0.100 0.250 | " " | 1.00 1.00 1.00 | 0.00 0.00 0.00 | 97.0 81.0 113 | 50-105 30-110 50-120 | | |
| .4,6-Trichlorophenol .4-Dichlorophenol .4-Dimethylphenol .4-Dinitrotoluene .6-Dinitrotoluene -Chloronaphthalene | 1.07 0.970 0.810 1.13 1.18 | 0.100 0.100 0.100 0.250 0.100 | n n n | 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 | 97.0 81.0 113 118 | 50-105 30-110 50-120 50-115 | | |
| 4,6-Trichlorophenol 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chloronaphthalene -Chlorophenol | 1.07 0.970 0.810 1.13 1.18 0.840 | 0.100 0.100 0.100 0.250 0.100 0.100 | 11 11 11 | 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 | 97.0 81.0 113 118 84.0 | 50-105 30-110 50-120 50-115 50-105 | | |
| .4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 | 0.100 0.100 0.100 0.250 0.100 0.100 | 11 11 11 11 | 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 97.0 81.0 113 118 84.0 88.0 | 50-105 30-110 50-120 50-115 50-105 35-105 | | |
| .4.6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 | 11 11 11 11 11 11 11 | 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 97.0 81.0 113 118 84.0 88.0 89.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 | | |
| .4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitrophenol | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 | n n n n n | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 | | |
| 4.6-Trichlorophenol 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylnaphthalene -Methylphenol -Nitrophenol & 4-Methylphenol | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.250 0.100 | n n n n n | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 79.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 | | |
| 4.6-Trichlorophenol 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chlorophenol -Methylphenol -Methylphenol -Nitrophenol & 4-Methylphenol -Nitroaniline | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 1.16 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.250 0.100 | 11 11 11 11 11 11 11 11 11 11 11 11 11 | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 79.0 116 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 | | |
| 4.6-Trichlorophenol 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chlorophenol -Methylphenol -Nitrophenol & 4-Methylphenol -Nitrophenol -Nitrophenol -Nitrophenol -Nitroaniline -Bromophenyl phenyl ether | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 1.16 0.930 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.250 0.100 0.100 | 11 11 11 11 11 11 11 11 11 11 11 11 11 | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 79.0 116 93.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 | | |
| 4.6-Trichlorophenol 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chlorophenol -Methylphenol -Nitrophenol & 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether -Chloro-3-methylphenol | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 1.16 0.930 1.16 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 79.0 116 93.0 116 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 | | |
| 4.6-Trichlorophenol 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chlorophenol -Methylphenol -Nitrophenol & 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether -Chloroaniline | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 1.16 0.930 1.16 0.200 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 79.0 116 93.0 116 20.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 15-110 | | |
| 4.6-Trichlorophenol 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chlorophenol -Methylphenol -Methylphenol -Nitrophenol & 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether -Chloroaniline -Chlorophenol -Chlorophenol | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 1.16 0.930 1.16 0.200 0.870 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 79.0 116 93.0 116 20.0 87.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 15-110 50-110 | | |
| 4.6-Trichlorophenol 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrotoluene 6-Dinitrotoluene -Chlorophenol -Methylphenol -Methylphenol -Nitrophenol 8- 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether -Chloroaniline -Chlorophenol -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 1.16 0.930 1.16 0.200 0.870 0.570 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.500 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 79.0 116 93.0 116 20.0 87.0 57.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 15-110 50-110 35-120 | | |
| .4,6-Trichlorophenol .4-Dichlorophenol .4-Dimethylphenol .4-Dinitrotoluene .6-Dinitrotoluene .6-Dinitrotoluene .Chlorophenol .Methylnaphthalene .Methylphenol .Nitrophenol .Nitrophenol .Nitroaniline .Bromophenyl phenyl ether .Chloro-3-methylphenol .Chlorophenyl phenyl ether .Chlorophenyl phenyl ether .Chlorophenyl phenyl ether .Nitroaniline | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 1.16 0.930 1.16 0.200 0.870 0.570 0.860 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.500 0.100 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 97.0 81.0 113 118 84.0 89.0 90.0 105 79.0 116 93.0 116 20.0 87.0 57.0 86.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 15-110 50-110 35-120 45-110 | | |
| 4.6-Trichlorophenol 4.4-Dichlorophenol 4.4-Dimethylphenol 4.4-Dinitrotoluene 6.6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Nitrophenol 8. 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether -Chloro-3-methylphenol -Chloroaniline -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether -Chloroaniline -Chlorophenyl phenyl ether -Nitroaniline -cenaphthene | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 1.16 0.930 1.16 0.200 0.870 0.570 0.860 0.980 | 0.100 0.100 0.100 0.250 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.500 0.100 0.500 0.100 0.500 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 79.0 116 93.0 116 20.0 87.0 57.0 86.0 98.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 50-110 35-120 45-110 50-105 | | |
| .4,6-Trichlorophenol .4-Dichlorophenol .4-Dimethylphenol .4-Dinitrotoluene .6-Dinitrotoluene .6-Dinitrotoluene .Chloronaphthalene .Chlorophenol .Methylphenol .Nitrophenol .Nitrophenol .Nitroaniline .Bromophenyl phenyl ether .Chloro-3-methylphenol .Chloroaniline .Chlorophenyl phenyl ether .Chlorophenyl phenyl ether .Chloroaniline .Chlorophenyl phenyl ether .Chlorophenyl phenyl ether .Nitroaniline .Cenaphthene .Cenaphthylene .Cenaphthylene .Centroaniline | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 1.16 0.930 1.16 0.200 0.870 0.570 0.860 0.980 0.780 | 0.100 0.100 0.100 0.250 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 79.0 116 93.0 116 20.0 87.0 57.0 86.0 98.0 78.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 15-110 35-120 45-110 50-105 55-110 | | |
| .4,6-Trichlorophenol .4-Dichlorophenol .4-Dimethylphenol .4-Dinitrotoluene .6-Dinitrotoluene .6-Dinitrotoluene .Chlorophenol .Chlorophenol .Methylphenol .Methylphenol .Nitrophenol .Nitrophenol .Nitroaniline .Bromophenyl phenyl ether .Chloro-3-methylphenol .Chloroaniline .Chlorophenyl phenyl ether .Chlorophenyl phenyl ether .Chlorophenyl phenyl ether .Nitroaniline .cenaphthene .cenaphthene .cenaphthylene .nthracene .xobenzene | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 1.16 0.930 1.16 0.200 0.870 0.570 0.860 0.980 0.780 0.950 | 0.100 0.100 0.100 0.250 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 79.0 116 93.0 116 20.0 87.0 57.0 86.0 98.0 78.0 95.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 50-110 35-120 45-110 50-105 55-110 50-115 | | |
| .4,6-Trichlorophenol ,4-Dichlorophenol ,4-Dimethylphenol ,4-Dinitrotoluene ,6-Dinitrotoluene ,6-Dinitrotoluene -Chloronaphthalene -Chlorophenol -Methylphenol -Nitrophenol & 4-Methylphenol -Nitroaniline -Bromophenyl phenyl ether -Chloro-3-methylphenol -Chloroaniline -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether -Chlorophenyl phenyl ether -Nitroaniline cenaphthene cenaphthylene centhracene | 1.07 0.970 0.810 1.13 1.18 0.840 0.880 0.890 0.900 1.05 1.58 1.16 0.930 1.16 0.200 0.870 0.570 0.860 0.980 0.780 | 0.100 0.100 0.100 0.250 0.100 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 97.0 81.0 113 118 84.0 88.0 89.0 90.0 105 79.0 116 93.0 116 20.0 87.0 57.0 86.0 98.0 78.0 | 50-105 30-110 50-120 50-115 50-105 35-105 45-105 40-110 40-115 30-110 20-125 50-115 45-110 15-110 35-120 45-110 50-105 55-110 | | |

Source

Reporting

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

RPD

%REC

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
|-------------------------------|--------|----------------|-------|-------------|-------------|-------------|--------|-----|-------|
| 3atch 1000059 - 3520 | | | | | | | | | |
| Matrix Spike (1000059-MS2) | Sou | urce: 1001002- | 21 | Prepared: (| 01/26/10 Ai | nalyzed: 01 | /29/10 | | |
| Benzo (b) fluoranthene | 1.07 | 0.100 | ug/L | 1.00 | 0.00 | 107 | 45-120 | | |
| Benzo (g,h,i) perylene | 0.770 | 0.100 | 11 | 1.00 | 0.00 | 77.0 | 40-125 | | |
| Benzo (k) fluoranthene | 1.01 | 0.100 | n | 1.00 | 0.00 | 101 | 45-125 | | |
| Bis(2-chloroethoxy)methane | 0.960 | 0.100 | n | 1.00 | 0.00 | 96.0 | 45-105 | | |
| Bis(2-chloroethyl)ether | 0.860 | 0.100 | n | 1.00 | 0.00 | 86.0 | 35-110 | | |
| Bis(2-chloroisopropyl)ether | 0.880 | 0.100 | n | 1.00 | 0.00 | 88.0 | 25-130 | | |
| Bis(2-ethylhexyl)phthalate | 1.02 | 0.100 | " | 1.00 | 0.170 | 85.0 | 40-125 | | |
| Butyl benzyl phthalate | 1.03 | 0.100 | n | 1.00 | 0.00 | 103 | 45-115 | | |
| Carbazole | 0.980 | 0.100 | п | 1.00 | 0.00 | 98.0 | 50-115 | | |
| Chrysene | 0.900 | 0.100 | 11 | 1.00 | 0.00 | 90.0 | 55-110 | | |
| Dibenz (a,h) anthracene | 0.840 | 0.100 | 11 | 1.00 | 0.00 | 84.0 | 40-125 | | |
| Dibenzofuran | 0.890 | 0.100 | " | 1.00 | 0.00 | 89.0 | 55-105 | | |
| Diethyl phthalate | 0.940 | 0.100 | " | 1.00 | 0.00 | 94.0 | 40-120 | | |
| Dimethyl phthalate | 0.910 | 0.100 | 11 | 1.00 | 0.00 | 91.0 | 25-125 | | |
| Di-n-butyl phthalate | 0.840 | 0.100 | 11 | 1.00 | 0.00 | 84.0 | 55-115 | | |
| Di-n-octyl phthalate | 1.01 | 0.100 | #1 | 1.00 | 0.00 | 101 | 35-135 | | |
| Fluoranthene | 0.970 | 0.100 | 11 | 1.00 | 0.00 | 97.0 | 55-115 | | |
| luorene | 0.920 | 0.100 | н | 1.00 | 0.00 | 92.0 | 50-110 | | |
| l exachlorobenzene | 0.860 | 0.100 | # | 1.00 | 0.00 | 86.0 | 50-110 | | |
| Hexachlorobutadiene | 0.810 | 0.100 | " | 1.00 | 0.00 | 81.0 | 25-105 | | |
| Hexachlorocyclopentadiene | 1.49 | 0.500 | " | 1.00 | 0.00 | 149 | 30-95 | | |
| l exachloroethane | 0.880 | 0.100 | 11 | 1.00 | 0.00 | 88.0 | 30-95 | | |
| ndeno (1,2,3-cd) pyrene | 0.890 | 0.100 | " | 1.00 | 0.00 | 89.0 | 45-125 | | |
| sophorone | 0.980 | 0.100 | 11 | 1.00 | 0.00 | 98.0 | 50-110 | | |
| Naphthalene | 0.870 | 0.100 | " | 1.00 | 0.00 | 87.0 | 40-100 | | |
| Nitrobenzene | 0.970 | 0.100 | ч | 1.00 | 0.00 | 97.0 | 45-110 | | |
| N-Nitrosodi-n-propylamine | 0.960 | 0.100 | " | 1.00 | 0.00 | 96.0 | 35-130 | | |
| Pentachlorophenol | 2.64 | 0.500 | 11 | 1.00 | 0.00 | 264 | 40-115 | | |
| Phenanthrene | 0.880 | 0.100 | н | 1.00 | 0.00 | 88.0 | 50-115 | | |
| Phenol | 0.970 | 0.100 | # | 1.00 | 0.00 | 97.0 | 0-115 | | |
| yrene | 0.940 | 0.100 | 11 | 1.00 | 0.00 | 94.0 | 50-130 | | |
| Surrogate: 2-Fluorobiphenyl | 0.480 | | " | 0.500 | | 96.0 | 50-110 | | |
| Surrogate: 2-Fluorophenol | 0.450 | | " | 0.500 | | 90.0 | 20-110 | | |
| Gurrogate: Nitrobenzene-d5 | 0.530 | | " | 0.500 | | 106 | 40-110 | | |
| Surrogate: Phenol-d6 | 0.500 | | " | 0.500 | | 100 | 10-115 | | |
| Surrogate: Terphenyl-dl4 | 0.440 | | " | 0.500 | | 88.0 | 50-135 | | |

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---------------|--------------------|-------------|----------------|------------------|--------------|-------------------|-----|--------------|
| Batch 1000059 - 3520 | | | | | | | | | |
| Matrix Spike (1000059-MS3) | So | urce: 1001003- | 24 | Prepared: (| 01/27/10 A | nalyzed: 01 | /30/10 | | |
| 1,2,4-Trichlorobenzene | 0.680 | 0.100 | ug/L | 1.00 | 0.00 | 68.0 | 35-105 | | |
| 1,2-Dichlorobenzene | 0.620 | 0.100 | n | 1.00 | 0.00 | 62.0 | 35-100 | | |
| 1,3-Dichlorobenzene | 0.630 | 0.100 | 11 | 1.00 | 0.00 | 63.0 | 30-100 | | |
| 1,4-Dichlorobenzene | 0.640 | 0.100 | п | 1.00 | 0.00 | 64.0 | 30-100 | | |
| 2,4,5-Trichlorophenol | 1.09 | 0.100 | п | 1.00 | 0.00 | 109 | 50-110 | | |
| 2,4,6-Trichlorophenol | 0.910 | 0.100 | " | 1.00 | 0.00 | 91.0 | 50-115 | | |
| 2,4-Dichlorophenol | 1.22 | 0.100 | | 1.00 | 0.00 | 122 | 50-105 | | |
| 2,4-Dimethylphenol | 1.92 | 0.100 | " | 1.00 | 0.00 | 192 | 30-110 | | |
| 2,4-Dinitrotoluene | 0.950 | 0.250 | " | 1.00 | 0.00 | 95.0 | 50-120 | | |
| 2,6-Dinitrotoluene | 0.890 | 0.100 | " | 1.00 | 0.00 | 89.0 | 50-115 | | |
| 2-Chloronaphthalene | 0.510 | 0.100 | " | 1.00 | 0.00 | 51.0 | 50-105 | | |
| 2-Chlorophenol | 0.750 | 0.100 | " | 1.00 | 0.00 | 75.0 | 35-105 | | |
| 2-Methylnaphthalene | 1.93 | 0.100 | " " | 1.00 | 1.08 | 85.0 | 45-105 | | |
| 2-Methylphenol | 0.770 | 0.100 | " | 1.00 | 0.00 | 77.0 | 40-110 | | |
| 2-Nitrophenol | 0.930 | 0.250 | | 1.00 | 0.00 | 93.0 | 40-115 | | |
| 3 & 4-Methylphenol | 1.84 | 0.100 | 11 | 2.00 | 0.00 | 92.0 | 30-110 | | |
| 3-Nitroaniline | 0.290 | 0.100 | " | 1.00 | 0.00 | 29.0 | 20-125 | | |
| 4-Bromophenyl phenyl ether | 0.650 | 0.100 | " | 1.00 | 0.00 | 65.0 | 50-115 | | |
| 4-Chloro-3-methylphenol | 1.36 | 0.500 | " | 1.00 | 0.00 | 136 | 45-110 | | |
| 4-Chloroaniline | 0.180 | 0.100 | " | 1.00 | 0.00 | 18.0 | 15-110 | | |
| 4-Chlorophenyl phenyl ether | 0.580 | 0.100 | 4 | 1.00 | 0.00 | 58.0 | 50-110 | | |
| 4-Nitroaniline | 0.120 | 0.500 | " n | 1.00 | 0.00 | 12.0 | 35-120 | | |
| Acenaphthene | 0.550 | 0.100 | " " | 1.00 | 0.00 | 55.0 64.0 | 45-110 50-105 | | |
| Acenaphthylene | 0.640 | 0.100 | " " | 1.00 | 0.00 | 64.0 | 50-105 | | |
| Anthracene | 0.810 | 0.100 | " | 1.00 | 0.00 | 81.0 | 55-110 | | |
| Azobenzene | 0.670 | 0.100 | | 1.00 | 0.00 | 67.0 | 50-115 | | |
| Benzo (a) anthracene | 0.970 | 0.100 | " | 1.00 | 0.00 | 97.0 | 55-110 | | |
| Benzo (a) pyrene | 0.930 | 0.100 | " " | 1.00 | 0.00 | 93.0 | 55-110 45-120 | | |
| Benzo (b) fluoranthene | 1.04 | 0.100 | " | 1.00 | 0.00 | 104 | 45-120 | | |
| Benzo (g,h,i) perylene | 0.850 | 0.100 | " " | 1.00 | 0.00 | 85.0 | 40-125 | | |
| Benzo (k) fluoranthene | 0.980 | 0.100 | " " | 1.00 | 0.00 | 98.0 | 45-125 45-105 | | |
| Bis(2-chloroethoxy)methane | 0.850 | 0.100 | " " | 1.00 | 0.00 | 85.0 | 45-105 25-440 | | |
| Bis(2-chloroethyl)ether | 0.720 | 0.100 | " " | 1.00 | 0.00 | 72.0 | 35-110 | | |
| Bis(2-chloroisopropyl)ether | 0.730 | 0.100 | " " | 1.00 | 0.00 | 73.0 | 25-130 | | |
| Bis(2-ethylhexyl)phthalate | 3.44 | 0.100 | " n | 1.00 | 0.650 | 279 | 40-125 | | |
| Butyl benzyl phthalate | 1.01 | 0.100 | " " | 1.00 | 0.00 | 101 | 45-115 50-115 | | |
| Carbazole | 0.860 | 0.100 | " | 1.00 | 0.00 | 86.0 | 50-115 | | |
| Chrysene Dibonz (a.b.) anthrocone | 0.870 | 0.100 | " " | 1.00 | 0.00 | 87.0 85.0 | 55-110 40, 125 | | |
| Dibenz (a,h) anthracene | 0.850 | 0.100 | | 1.00 | 0.00 | 85.0 | 40-125 55 105 | | |
| District phthalate | 0.630 | 0.100 | 11 | 1.00 | 0.00 | 63.0 50.0 | 55-105 40, 120 | | |
| Diethyl phthalate | 0.590 | 0.100 0.100 | | 1.00 1.00 | 0.00 | 59.0 63.0 | 40-120 25-125 | | |
| Dimethyl phthalate Di-n-butyl phthalate | 0.630 | 0.100 | 11 | 1.00 | 0.00 | 92.0 | 25-125 55-115 | | |
| Di-n-butyl phthalate Di-n-octyl phthalate | 0.920 | 0.100 | 41 | 1.00 | 0.00 | 92.0 124 | 35-115 | | |
| Fluoranthene | 1.24 0.770 | 0.100 | 11 | 1.00 | 0.00 0.00 | 77.0 | 55-135 55-115 | | |
| Fluorene | 0.770 | 0.100 | | 1.00 | 0.00 | 66.0 | 50-110 | | |
| Hexachlorobenzene | 0.580 | 0.100 | n | 1.00 | 0.00 | 58.0 | 50-110 | | |
| Hexachlorobetizette Hexachlorobutadiene | 0.560 | 0.100 | n | 1.00 | 0.00 | 66.0 | 25-105 | | |
| Hexachlorocyclopentadiene | 1.30 | 0.100 | п | 1.00 | 0.00 | 130 | 30-95 | | |
| Hexachloroethane | 5.25 | 0.100 | n | 1.00 | 0.00 | 525 | 30-95 30-95 | | |
| ndeno (1,2,3-cd) pyrene | 0.920 | 0.100 | п | 1.00 | 0.00 | 92.0 | 45-125 | | |
| sophorone | | 0.100 | 11 | 1.00 | 0.00 | 92.0 81.0 | 50-110 | | |
| Naphthalene | 0.810 3.24 | 0.100 | 11 | 1.00 | 2.20 | 104 | 40-100 | | |
| Napritralerie Nitrobenzene | | 0.100 | 11 | 1.00 | 0.00 | 198 | 45-110 | | |
| 1001002,1001003,1001005 FINAL 06 09 | 1.98 | | e 254 of 29 | | 0.00 | 150 | | | 09-Jun-2011 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|-----------------------------|--------|---------------|-------|-------------|------------|-------------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000059 - 3520 | | | | | | | | | |
| Matrix Spike (1000059-MS3) | Sou | rce: 1001003- | 24 | Prepared: (| 01/27/10 A | nalyzed: 01 | /30/10 | | |
| N-Nitrosodi-n-propylamine | 0.870 | 0.100 | ug/L | 1.00 | 0.00 | 87.0 | 35-130 | | |
| Pentachlorophenol | 2.44 | 0.500 | н | 1.00 | 0.00 | 244 | 40-115 | | |
| Phenanthrene | 1.05 | 0.100 | 11 | 1.00 | 0.00 | 105 | 50-115 | | |
| Phenol | 9.20 | 0.100 | 11 | 1.00 | 5.60 | 360 | 0-115 | | |
| Pyrene | 0.750 | 0.100 | ** | 1.00 | 0.00 | 75.0 | 50-130 | | |
| Surrogate: 2-Fluorobiphenyl | 0.400 | | " | 0.500 | | 80.0 | 50-110 | | |
| Surrogate: 2-Fluorophenol | 0.320 | | " | 0.500 | | 64.0 | 20-110 | | |
| Surrogate: Nitrobenzene-d5 | 0.490 | | " | 0.500 | | 98.0 | 40-110 | | |
| Surrogate: Phenol-d6 | 0.490 | | " | 0.500 | | 98.0 | 10-115 | | |
| Surrogate: Terphenyl-dl4 | 0.420 | | " | 0.500 | | 84.0 | 50-135 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|----------------------------------|---------|--------------------|-------|----------------|------------------|-------------|----------------|-----|--------------|
| Batch 1000029 - EPA 3550B | | | | | | | | | |
| Method Blank (1000029-BLK1) | | | | Prepared: (| 02/02/10 Ar | nalyzed: 02 | /08/10 | | |
| (R)-(+)-Limonene | < 0.200 | 0.200 | ug/kg | | | | | | |
| 1,3-Dimethyl adamantane | < 0.200 | 0.200 | п | | | | | | |
| 2-Butoxyethanol | < 0.250 | 0.250 | " | | | | | | |
| 2-Butoxyethanol phosphate | < 0.300 | 0.300 | " | | | | | | |
| Adamantane | < 0.200 | 0.200 | " | | | | | | |
| Terpiniol | < 0.200 | 0.200 | " | | | | | | |
| Surrogate: 2-Fluorobiphenyl | 360 | | " | 500 | | 72.0 | 60-130 | | |
| Surrogate: 2-Fluorophenol | 330 | | " | 500 | | 66.0 | 60-130 | | |
| Surrogate: Nitrobenzene-d5 | 390 | | " | 500 | | 78.0 | 60-130 | | |
| Surrogate: Phenol-d6 | 410 | | н | 500 | | 82.0 | 60-130 | | |
| Surrogate: Terphenyl-dl4 | 350 | | " | 500 | | 70.0 | 60-130 | | |
| Method Blank Spike (1000029-BS1) | | | | Prepared: (| 02/02/10 Ar | nalyzed: 02 | /08/10 | | |
| (R)-(+)-Limonene | 820 | 0.200 | ug/kg | 1000 | | 82.0 | 70-130 | | |
| 1,3-Dimethyl adamantane | 920 | 0.200 | " | 1000 | | 92.0 | 70-130 | | |
| 2-Butoxyethanol | 810 | 0.250 | н | 1000 | | 81.0 | 60-130 | | |
| 2-Butoxyethanol phosphate | 300 | 0.300 | п | 1000 | | 30.0 | 60-130 | | |
| Adamantane | 920 | 0.200 | ** | 1000 | | 92.0 | 70-130 | | |
| Terpiniol | 930 | 0.200 | 11 | 1000 | | 93.0 | 70-130 | | |
| Surrogate: 2-Fluorobiphenyl | 420 | | " | 500 | | 84.0 | 60-110 | | |
| Surrogate: 2-Fluorophenol | 310 | | " | 500 | | 62.0 | 60-130 | | |
| Surrogate: Nitrobenzene-d5 | 320 | | " | 500 | | 64.0 | 60-110 | | |
| Surrogate: Phenol-d6 | 430 | | " | 500 | | 86.0 | 60-130 | | |
| Surrogate: Terphenyl-dl4 | 320 | | " | 500 | | 64.0 | 60-135 | | |
| Matrix Spike (1000029-MS1) | Sou | urce: 1001005-(| 01 | Prepared: (| 02/02/10 Ar | nalyzed: 02 | /09/10 | | |
| (R)-(+)-Limonene | 2160 | 0.400 | ug/kg | 2000 | < 0.400 | 108 | 60-130 | | |
| 1,3-Dimethyl adamantane | 4420 | 0.400 | " | 2000 | 2960 | 73.0 | 60-130 | | |
| 2-Butoxyethanol | 1520 | 0.500 | 11 | 2000 | < 0.500 | 76.0 | 60-130 | | |
| 2-Butoxyethanol phosphate | < 0.600 | 0.600 | 11 | 2000 | < 0.600 | | 60-130 | | |
| Adamantane | 1980 | 0.400 | " | 2000 | 420 | 78.0 | 60-130 | | |
| Terpiniol | 2440 | 0.400 | " | 2000 | < 0.400 | 122 | 60-130 | | |
| Surrogate: 2-Fluorobiphenyl | 380 | | n | 500 | | 76.0 | 60-110 | | |
| Surrogate: 2-Fluorophenol | 330 | | " | 500 | | 66.0 | 60-130 | | |
| Surrogate: Nitrobenzene-d5 | 460 | | " | 500 | | 92.0 | 60-110 | | |
| Surrogate: Phenol-d6 | 440 | | " | 500 | | 88.0 | 60-130 | | |
| Surrogate: Terphenyl-dl4 | 360 | | " | 500 | | 72.0 | 60-135 | | |

Amended Report - Amendment Amended Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|----------------------------------|--------------|--------------------|-------|----------------|------------------|--------------|------------------|-----|--------------|
| Batch 1000030 - EPA 3550B | | | | | | _ | _ | _ | |
| Method Blank Spike (1000030-BS1) | | | | Prepared 8 | k Analyzed: | 02/08/10 | | | |
| 1,2,4-Trichlorobenzene | 1600 | 0.100 | ug/kg | 2000 | | 80.0 | 45-110 | | |
| 1,2-Dichlorobenzene | 1560 | 0.100 | п | 2000 | | 78.0 | 45-95 | | |
| 1,3-Dichlorobenzene | 1560 | 0.100 | n | 2000 | | 78.0 | 40-100 | | |
| 1,4-Dichlorobenzene | 1580 | 0.100 | n | 2000 | | 79.0 | 35-105 | | |
| 2,4,5-Trichlorophenol | 1540 | 0.100 | 11 | 2000 | | 77.0 | 50-110 | | |
| 2,4,6-Trichlorophenol | 1660 | 0.100 | 11 | 2000 | | 83.0 | 45-110 | | |
| 2,4-Dichlorophenol | 1140 | 0.100 | п | 2000 | | 57.0 | 45-110 | | |
| 2,4-Dimethylphenol | 1160 | 0.100 | " | 2000 | | 58.0 | 30-105 | | |
| 2,4-Dinitrotoluene | 1580 | 0.250 | | 2000 | | 79.0 | 50-120 | | |
| 2,6-Dinitrotoluene | 2060 | 0.100 | | 2000 | | 103 | 50-110 | | |
| 2-Chloronaphthalene | 1580 | 0.100 | п | 2000 | | 79.0 | 45-105 | | |
| 2-Chlorophenol | 1500 | 0.100 | " | 2000 | | 75.0 | 45-105 | | |
| 2-Methylnaphthalene | 1580 | 0.100 | " | 2000 | | 79.0 | 45-105 | | |
| 2-Methylphenol | 1400 | 0.100 | " | 2000 | | 70.0 | 40-105 | | |
| 2-Nitrophenol | 1460 | 0.250 | " | 2000 | | 73.0 | 40-110 | | |
| 3 & 4-Methylphenol | 2280 | 0.100 | 11 | 4000 | | 57.0 | 40-105 | | |
| 3-Nitroaniline | 1540 | 0.100 | " | 2000 | | 77.0 | 25-110 | | |
| 4-Bromophenyl phenyl ether | 1600 | 0.100 | " | 2000 | | 80.0 | 45-115 45-115 | | |
| 4-Chloro-3-methylphenol | 1620 | 0.500 | " " | 2000 | | 81.0 65.0 | 45-115 15-115 | | |
| 4-Chlorophenyl phenyl ether | 1300 | 0.100 0.100 | " | 2000 2000 | | 65.0 | 15-115 45-110 | | |
| 4-Chlorophenyl phenyl ether | 1640 | | a | 2000 | | 82.0 60.0 | | | |
| 4-Nitroaniline | 1200 | 0.500 0.100 | | 2000 | | 60.0 83.0 | 35-115 45-110 | | |
| Acenaphthylene | 1660 1040 | 0.100 | 11 | 2000 | | 97.0 | 45-110 45-105 | | |
| Acenaphthylene Anthracene | 1940 1640 | 0.100 | 11 | 2000 | | 97.0 82.0 | 45-105 55-105 | | |
| Azobenzene | | 0.100 | п | 2000 | | 86.0 | 50-105 | | |
| Benzo (a) anthracene | 1720 1680 | 0.100 | 11 | 2000 | | 84.0 | 50-115 | | |
| Benzo (a) pyrene | 1240 | 0.100 | п | 2000 | | 62.0 | 50-110 | | |
| Benzo (b) fluoranthene | 1520 | 0.100 | п | 2000 | | 76.0 | 45-115 | | |
| Benzo (g,h,i) perylene | 1560 | 0.100 | " | 2000 | | 78.0 | 40-125 | | |
| Benzo (k) fluoranthene | 1580 | 0.100 | 11 | 2000 | | 79.0 | 45-125 | | |
| Bis(2-chloroethoxy)methane | 1540 | 0.100 | п | 2000 | | 77.0 | 45-110 | | |
| Bis(2-chloroethyl)ether | 1600 | 0.100 | n | 2000 | | 80.0 | 40-105 | | |
| Bis(2-chloroisopropyl)ether | 1600 | 0.100 | п | 2000 | | 80.0 | 20-115 | | |
| Bis(2-ethylhexyl)phthalate | 1540 | 0.100 | n | 2000 | | 77.0 | 45-125 | | |
| Butyl benzyl phthalate | 1360 | 0.100 | n | 2000 | | 68.0 | 50-125 | | |
| Carbazole | 1600 | 0.100 | " | 2000 | | 80.0 | 45-115 | | |
| Chrysene | 1660 | 0.100 | n | 2000 | | 83.0 | 55-110 | | |
| Dibenz (a,h) anthracene | 1600 | 0.100 | n | 2000 | | 80.0 | 40-125 | | |
| Dibenzofuran | 1660 | 0.100 | n | 2000 | | 83.0 | 55-105 | | |
| Diethyl phthalate | 1580 | 0.100 | n | 2000 | | 79.0 | 50-115 | | |
| Dimethyl phthalate | 1600 | 0.100 | п | 2000 | | 80.0 | 50-110 | | |
| Di-n-butyl phthalate | 1540 | 0.100 | п | 2000 | | 77.0 | 55-110 | | |
| Di-n-octyl phthalate | 1220 | 0.100 | 41 | 2000 | | 61.0 | 40-130 | | |
| Fluoranthene | 1500 | 0.100 | 11 | 2000 | | 75.0 | 55-115 | | |
| Fluorene | 1680 | 0.100 | 11 | 2000 | | 84.0 | 50-110 | | |
| Hexachlorobenzene | 1600 | 0.100 | п | 2000 | | 80.0 | 45-120 | | |
| Hexachlorobutadiene | 1640 | 0.100 | п | 2000 | | 82.0 | 40-115 | | |
| Hexachlorocyclopentadiene | 2400 | 0.500 | n | 2000 | | 120 | 30-95 | | |
| Hexachloroethane | 1700 | 0.100 | n | 2000 | | 85.0 | 35-110 | | |
| Indeno (1,2,3-cd) pyrene | 1600 | 0.100 | п | 2000 | | 80.0 | 40-120 | | |
| Isophorone | 1520 | 0.100 | 11 | 2000 | | 76.0 | 45-110 | | |
| Naphthalene | 1660 | 0.100 | n | 2000 | | 83.0 | 40-105 | | |
| Nitrobenzene | 1480 | 0.100 | ** | 2000 | | 74.0 | 40-115 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|----------------------------------|--------|-----------|-------|------------|-------------|----------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000030 - EPA 3550B | | | | | | | | | |
| Method Blank Spike (1000030-BS1) | | | | Prepared 8 | & Analyzed: | 02/08/10 | | | |
| N-Nitrosodi-n-propylamine | 1280 | 0.100 | ug/kg | 2000 | | 64.0 | 40-115 | | |
| Pentachlorophenol | 1720 | 0.500 | п | 2000 | | 86.0 | 25-120 | | |
| Phenanthrene | 1640 | 0.100 | 11 | 2000 | | 82.0 | 50-110 | | |
| Phenol | 1480 | 0.100 | 11 | 2000 | | 74.0 | 40-100 | | |
| Pyrene | 1540 | 0.100 | п | 2000 | | 77.0 | 45-125 | | |
| Surrogate: 2-Fluorobiphenyl | 840 | | " | 1000 | | 84.0 | 45-105 | | |
| Surrogate: 2-Fluorophenol | 620 | | " | 1000 | | 62.0 | 35-105 | | |
| Surrogate: Nitrobenzene-d5 | 760 | | " | 1000 | | 76.0 | 35-100 | | |
| Surrogate: Phenol-d6 | 720 | | " | 1000 | | 72.0 | 40-100 | | |
| Surrogate: Terphenyl-dl4 | 760 | | n | 1000 | | 76.0 | 35-125 | | |

Spike

Source

Reporting

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

RPD

%REC

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
|----------------------------------|--------------------|-------|-------|------------|-----------|----------|--------|-----|-------|
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| Nethod Blank (1000024-BLK1) | | | | Prepared 8 | Analyzed: | 01/27/10 | | | |
| ,1,1,2-Tetrachloroethane | < 0.250 | 0.250 | ug/L | | | | | | |
| ,1,1-Trichloroethane | < 0.250 | 0.250 | н | | | | | | |
| ,1,2,2-Tetrachloroethane | < 0.250 | 0.250 | 11 | | | | | | |
| ,1,2-Trichloroethane | < 0.250 | 0.250 | 11 | | | | | | |
| ,1-Dichloroethane | < 0.250 | 0.250 | п | | | | | | |
| ,1-Dichloroethene | < 0.250 | 0.250 | п | | | | | | |
| ,1-Dichloropropene | < 0.250 | 0.250 | н | | | | | | |
| ,2,3-Trichlorobenzene | < 0.250 | 0.250 | " | | | | | | |
| ,2,3-Trichloropropane | < 0.250 | 0.250 | " | | | | | | |
| 2,4-Trichlorobenzene | < 0.250 | 0.250 | п | | | | | | |
| ,2,4-Trimethylbenzene | < 0.250 | 0.250 | a | | | | | | |
| ,2-Dibromo-3-chloropropane | < 0.250 | 0.250 | ** | | | | | | |
| ,2-Dibromoethane (EDB) | < 0.250 | 0.250 | п | | | | | | |
| ,2-Dichlorobenzene | < 0.250 | 0.250 | ** | | | | | | |
| ,2-Dichloroethane | < 0.250 | 0.250 | п | | | | | | |
| ,2-Dichloropropane | < 0.250 | 0.250 | н | | | | | | |
| ,3,5-Trimethylbenzene | < 0.250 < 0.250 | 0.250 | ** | | | | | | |
| ,3-Dichlorobenzene | | 0.250 | п | | | | | | |
| | < 0.250 | | # | | | | | | |
| ,3-Dichloropropane | < 0.250 | 0.250 | 11 | | | | | | |
| ,3-Dimethyl adamantane | < 0.250 | 0.250 | " | | | | | | |
| ,4-Dichlorobenzene | < 0.250 | 0.250 | п | | | | | | |
| 2-Dichloropropane | < 0.250 | 0.250 | | | | | | | |
| -Chlorotoluene | < 0.250 | 0.250 | " " | | | | | | |
| -Chlorotoluene | < 0.250 | 0.250 | | | | | | | |
| crylonitrile | < 1.00 | 1.00 | " | | | | | | |
| damantane | < 0.250 | 0.250 | ** | | | | | | |
| llyl chloride | < 1.00 | 1.00 | 11 | | | | | | |
| enzene | < 0.250 | 0.250 | " | | | | | | |
| Bromobenzene | < 0.250 | 0.250 | п | | | | | | |
| romochloromethane | < 0.250 | 0.250 | ** | | | | | | |
| romodichloromethane | < 0.250 | 0.250 | 11 | | | | | | |
| Bromoform | < 0.250 | 0.250 | н | | | | | | |
| romomethane | < 0.250 | 0.250 | 11 | | | | | | |
| arbon disulfide | < 0.500 | 0.500 | " | | | | | | |
| arbon tetrachloride | < 0.250 | 0.250 | н | | | | | | |
| hlorobenzene | < 0.250 | 0.250 | " | | | | | | |
| hlorodibromomethane | < 0.250 | 0.250 | 11 | | | | | | |
| hloroethane | < 0.250 | 0.250 | н | | | | | | |
| hloroform | < 0.250 | 0.250 | ** | | | | | | |
| hloromethane | < 0.250 | 0.250 | " | | | | | | |
| s-1,2-Dichloroethene | < 0.250 | 0.250 | n | | | | | | |
| s-1,3-Dichloropropene | < 0.250 | 0.250 | п | | | | | | |
| Dibromomethane | < 0.250 | 0.250 | 11 | | | | | | |
| Dichlorodifluoromethane | < 0.250 | 0.250 | а | | | | | | |
| thyl Ether | < 0.500 | 0.500 | 11 | | | | | | |
| thylbenzene | < 0.250 | 0.250 | | | | | | | |
| lexachlorobutadiene | < 0.250 | 0.250 | 11 | | | | | | |
| lexachloroethane | < 0.230 | 0.500 | 11 | | | | | | |
| odomethane | < 0.500 < 0.500 | 0.500 | # | | | | | | |
| | | | 11 | | | | | | |
| opropylbenzene | < 0.250 | 0.250 | п | | | | | | |
| n,p-Xylene | < 0.250 | 0.250 | и | | | | | | |
| Methacrylonitrile | < 1.00 | 1.00 | | | | | | | |
| 1ethyl Acrylate | < 1.00 | 1.00 | " | | | | | | |
| lethyl tert-Butyl Ether | < 0.500 | 0.500 | 11 | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|----------------------------------|--------------|--------------------|-------|----------------|------------------|----------|----------------|-----|--------------|
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| Nethod Blank (1000024-BLK1) | | | | Prepared 8 | & Analyzed: | 01/27/10 | | | |
| Methylene chloride | < 0.250 | 0.250 | ug/L | | | | | | |
| Naphthalene | < 0.250 | 0.250 | ** | | | | | | |
| -Butyl Benzene | < 0.250 | 0.250 | " | | | | | | |
| -Propyl Benzene | < 0.250 | 0.250 | " | | | | | | |
| -Xylene | < 0.250 | 0.250 | " | | | | | | |
| -IsopropyItoIuene | < 0.250 | 0.250 | 11 | | | | | | |
| ec-Butylbenzene | < 0.250 | 0.250 | " | | | | | | |
| tyrene | < 0.250 | 0.250 | " | | | | | | |
| ert-Butyl benzene | < 0.250 | 0.250 | " | | | | | | |
| etrachloroethene | < 0.250 | 0.250 | " | | | | | | |
| oluene | < 0.250 | 0.250 | 41 | | | | | | |
| ans-1,2-Dichloroethene | < 0.250 | 0.250 | " | | | | | | |
| rans-1,3-Dichloropropene | < 0.250 | 0.250 | " | | | | | | |
| richloroethene | < 0.250 | 0.250 | " | | | | | | |
| richlorofluoromethane | < 0.250 | 0.250 | " | | | | | | |
| 'inyl chloride | < 0.250 | 0.250 | 11 | | | | | | |
| urrogate: 1,2-Dichloroethane-d4 | 2.05 | | " | 2.00 | | 102 | 70-120 | | |
| urrogate: 4-Bromofluorobenzene | 2.01 | | " | 2.00 | | 100 | 75-120 | | |
| urrogate: Dibromofluoromethane | 2.04 | | " | 2.00 | | 102 | 85-115 | | |
| urrogate: Toluene-d8 | 1.99 | | " | 2.00 | | 99.5 | 85-120 | | |
| fethod Blank Spike (1000024-BS1) | | | | Prepared 8 | & Analyzed: | 01/27/10 | | | |
| .1,1,2-Tetrachloroethane | 5.13 | 0.250 | ug/L | 5.00 | | 103 | 80-130 | | |
| ,1,1-Trichloroethane | 4.98 | 0.250 | " | 5.00 | | 99.6 | 65-130 | | |
| , 1,2,2-Tetrachloroethane | 4.90 | 0.250 | п | 5.00 | | 98.0 | 65-130 | | |
| ,1,2-Trichloroethane | 5.00 | 0.250 | " | 5.00 | | 100 | 75-125 | | |
| ,1-Dichloroethane | 4.98 | 0.250 | н | 5.00 | | 99.6 | 70-135 | | |
| ,1-Dichloroethene | 5.11 | 0.250 | п | 5.00 | | 102 | 70-130 | | |
| ,1-Dichloropropene | 5.25 | 0.250 | 11 | 5.00 | | 105 | 75-130 | | |
| ,2,3-Trichlorobenzene | 5.13 | 0.250 | н | 5.00 | | 103 | 55-140 | | |
| ,2,3-Trichloropropane | 4.88 | 0.250 | п | 5.00 | | 97.6 | 75-125 | | |
| ,2,4-Trichlorobenzene | 5.18 | 0.250 | " | 5.00 | | 104 | 65-135 | | |
| ,2,4-Trimethylbenzene | 5.18 | 0.250 | н | 5.00 | | 104 | 75-130 | | |
| ,2-Dibromo-3-chloropropane | 5.08 | 0.250 | " | 5.00 | | 102 | 50-130 | | |
| ,2-Dibromoethane (EDB) | 5.57 | 0.250 | ч | 5.00 | | 111 | 80-120 | | |
| ,2-Dichlorobenzene | 5.01 | 0.250 | # | 5.00 | | 100 | 70-120 | | |
| ,2-Dichloroethane | 4.89 | 0.250 | п | 5.00 | | 97.8 | 70-130 | | |
| ,2-Dichloropropane | 5.05 | 0.250 | н | 5.00 | | 101 | 75-125 | | |
| ,3,5-Trimethylbenzene | 5.23 | 0.250 | п | 5.00 | | 105 | 75-130 | | |
| ,3-Dichlorobenzene | 4.95 | 0.250 | n | 5.00 | | 99.0 | 75-125 | | |
| ,3-Dichloropropane | 5.08 | 0.250 | н | 5.00 | | 102 | 75-125 | | |
| ,4-Dichlorobenzene | 4.89 | 0.250 | п | 5.00 | | 97.8 | 75-125 | | |
| ,2-Dichloropropane | 4.92 | 0.250 | " | 5.00 | | 98.4 | 70-135 | | |
| -Chlorotoluene | 5.00 | 0.250 | " | 5.00 | | 100 | 75-125 | | |
| -Chlorotoluene | 5.10 | 0.250 | " | 5.00 | | 102 | 75-130 | | |
| crylonitrile | 4.91 | 1.00 | н | 5.00 | | 98.2 | 50-130 | | |
| llyl chloride | 5.07 | 1.00 | ** | 5.00 | | 101 | 50-130 | | |
| enzene | 4.95 | 0.250 | " | 5.00 | | 99.0 | 80-120 | | |
| romobenzene | 4.87 | 0.250 | п | 5.00 | | 97.4 | 75-125 | | |
| romochloromethane | 4.07 5.07 | 0.250 | п | 5.00 | | 101 | 65-130 | | |
| romodichloromethane | 5.07 | 0.250 | " | 5.00 | | 100 | 75-120 | | |
| Bromoform | | 0.250 | | 5.00 | | 103 | 70-130 | | |
| Bromomethane | 5.13 | 0.250 | " | 5.00 | | 96.0 | 30-145 | | |
| a omorticulanc | 4.80 | 0.250 | | 5.00 | | 9U.U | JU-140 | | |

Spike

Source

Reporting

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

RPD

%REC

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
|----------------------------------|--------|-------|-------|------------|-------------|----------|--------|-----|-------|
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| Method Blank Spike (1000024-BS1) | | | | Prepared 8 | & Analyzed: | 01/27/10 | | | |
| Carbon disulfide | 5.07 | 0.500 | ug/L | 5.00 | | 101 | 35-160 | | |
| Carbon tetrachloride | 4.96 | 0.250 | 11 | 5.00 | | 99.2 | 65-140 | | |
| Chlorobenzene | 4.93 | 0.250 | 11 | 5.00 | | 98.6 | 80-120 | | |
| Chlorodibromomethane | 5.04 | 0.250 | 11 | 5.00 | | 101 | 60-135 | | |
| Chloroethane | 4.91 | 0.250 | 11 | 5.00 | | 98.2 | 60-135 | | |
| Chloroform | 4.94 | 0.250 | n | 5.00 | | 98.8 | 65-135 | | |
| Chloromethane | 4.83 | 0.250 | п | 5.00 | | 96.6 | 40-125 | | |
| cis-1,2-Dichloroethene | 5.10 | 0.250 | n | 5.00 | | 102 | 70-125 | | |
| cis-1,3-Dichloropropene | 5.22 | 0.250 | n | 5.00 | | 104 | 70-130 | | |
| Dibromomethane | 5.01 | 0.250 | 11 | 5.00 | | 100 | 75-125 | | |
| Dichlorodifluoromethane | 4.84 | 0.250 | 41 | 5.00 | | 96.8 | 30-155 | | |
| Ethyl Ether | 5.00 | 0.500 | " | 5.00 | | 100 | 50-130 | | |
| Ethylbenzene | 5.13 | 0.250 | " | 5.00 | | 103 | 75-125 | | |
| l exachlorobutadiene | 4.99 | 0.250 | # | 5.00 | | 99.8 | 50-140 | | |
| Hexachloroethane | 5.16 | 0.500 | 11 | 5.00 | | 103 | 50-130 | | |
| odomethane | 5.09 | 0.500 | #1 | 5.00 | | 102 | 50-130 | | |
| sopropylbenzene | 5.32 | 0.250 | 11 | 5.00 | | 106 | 75-125 | | |
| m,p-Xylene | 10.3 | 0.250 | " | 10.0 | | 103 | 75-130 | | |
| Methacrylonitrile | 4.96 | 1.00 | n | 5.00 | | 99.2 | 50-130 | | |
| ∕lethyl Acrylate | 5.00 | 1.00 | " | 5.00 | | 100 | 50-130 | | |
| Methyl tert-Butyl Ether | 5.17 | 0.500 | " | 5.00 | | 103 | 65-125 | | |
| Methylene chloride | 4.90 | 0.250 | 41 | 5.00 | | 98.0 | 55-140 | | |
| Naphthalene | 5.31 | 0.250 | 11 | 5.00 | | 106 | 55-140 | | |
| n-Butyl Benzene | 5.27 | 0.250 | 11 | 5.00 | | 105 | 70-135 | | |
| n-Propyl Benzene | 5.20 | 0.250 | п | 5.00 | | 104 | 70-130 | | |
| p-Xylene | 5.28 | 0.250 | п | 5.00 | | 106 | 80-120 | | |
| p-isopropyltoluene | 5.26 | 0.250 | " | 5.00 | | 105 | 75-130 | | |
| ec-Butylbenzene | 5.25 | 0.250 | п | 5.00 | | 105 | 70-125 | | |
| Styrene | 5.28 | 0.250 | н | 5.00 | | 106 | 65-135 | | |
| ert-Butyl benzene | 5.33 | 0.250 | " | 5.00 | | 107 | 70-130 | | |
| Tetrachloroethene | 5.79 | 0.250 | ** | 5.00 | | 116 | 45-150 | | |
| Гoluene | 5.07 | 0.250 | п | 5.00 | | 101 | 75-120 | | |
| rans-1,2-Dichloroethene | 5.10 | 0.250 | п | 5.00 | | 102 | 60-140 | | |
| rans-1,3-Dichloropropene | 5.15 | 0.250 | п | 5.00 | | 103 | 55-140 | | |
| Frichloroethene | 5.00 | 0.250 | n | 5.00 | | 100 | 70-125 | | |
| Frichlorofluoromethane | 5.02 | 0.250 | n | 5.00 | | 100 | 60-145 | | |
| /inyl chloride | 5.00 | 0.250 | п | 5.00 | | 100 | 50-145 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 1.98 | | " | 2.00 | | 99.0 | 70-120 | | |
| Surrogate: 4-Bromofluorobenzene | 2.01 | | " | 2.00 | | 100 | 75-120 | | |
| Surrogate: Dibromofluoromethane | 1.96 | | " | 2.00 | | 98.0 | 85-115 | | |
| Surrogate: Toluene-d8 | 2.02 | | " | 2.00 | | 101 | 85-120 | | |

Spike

Source

Reporting

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

RPD

%REC

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
|--|--------------------|----------------|-------|-------------|-------------|-------------|------------------|-----|-------|
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| Method Blank Spike (1000024-BS2) | | | | Prepared: (|)1/27/10 Ai | nalyzed: 01 | /28/10 | | |
| 1,1,1,2-Tetrachloroethane | < 0.250 | 0.250 | ug/L | | | | 80-130 | | |
| 1,1,1-Trichloroethane | < 0.250 | 0.250 | 11 | | | | 65-130 | | |
| 1,1,2,2-Tetrachloroethane | < 0.250 | 0.250 | " | | | | 65-130 | | |
| 1,1,2-Trichloroethane | < 0.250 | 0.250 | ** | | | | 75-125 | | |
| 1,1-Dichloroethane | < 0.250 | 0.250 | # | | | | 70-135 | | |
| I,1-Dichloroethene | < 0.250 | 0.250 | " | | | | 70-130 | | |
| 1,1-Dichloropropene | < 0.250 | 0.250 | ** | | | | 75-130 | | |
| 1,2,3-Trichlorobenzene | < 0.250 | 0.250 | ** | | | | 55-140 | | |
| 1,2,3-Trichloropropane | < 0.250 | 0.250 | ** | | | | 75-125 | | |
| 1,2,4-Trichlorobenzene | < 0.250 | 0.250 | 11 | | | | 65-135 | | |
| 1,2,4-Trimethylbenzene | < 0.250 | 0.250 | 41 | | | | 75-130 | | |
| 1,2-Dibromo-3-chloropropane | < 0.250 | 0.250 | #1 | | | | 50-130 | | |
| I,2-Dibromoethane (EDB) | < 0.250 | 0.250 | | | | | 80-120 | | |
| I,2-Dichlorobenzene | < 0.250 | 0.250 | " | | | | 70-120 | | |
| 1,2-Dichloroethane | < 0.250 | 0.250 | п | | | | 70-130 | | |
| 1,2-Dichloropropane | < 0.250 | 0.250 | 11 | | | | 75-125 | | |
| 1,3,5-Trimethylbenzene | < 0.250 | 0.250 | " | | | | 75-130 | | |
| I,3-Dichlorobenzene | < 0.250 | 0.250 | п | | | | 75-125 | | |
| 1,3-Dichloropropane | < 0.250 | 0.250 | n | | | | 75-125 75-125 | | |
| 1,3-Dimethyl adamantane | 10.8 | 0.250 | " | 10.0 | | 108 | 70-120 | | |
| I,4-Dichlorobenzene | < 0.250 | 0.250 | п | , 0.0 | | .50 | 75-135 75-125 | | |
| 2,2-Dichloropropane | < 0.250 | 0.250 | n | | | | 70-125 | | |
| 2-Chlorotoluene | < 0.250 | 0.250 | " | | | | 75-125 | | |
| 4-Chlorotoluene | < 0.250 < 0.250 | 0.250 | 11 | | | | 75-125 75-130 | | |
| Acrylonitrile | | 1.00 | ** | | | | 70-130 50-130 | | |
| Adamantane | < 1.00 | 0.250 | ** | 10.0 | | 106 | 70-130 | | |
| | 10.6 | | # | 10.0 | | 100 | 70-130 50-130 | | |
| Allyl chloride Benzene | < 1.00 | 1.00 0.250 | 11 | | | | 30-130 80-120 | | |
| Bromobenzene | < 0.250 < 0.250 | 0.250 | п | | | | 75-125 | | |
| | | | # | | | | | | |
| Bromochloromethane Bromodichloromethane | < 0.250 | 0.250 0.250 | *1 | | | | 65-130 75-120 | | |
| | < 0.250 | | ** | | | | | | |
| Bromoform | < 0.250 | 0.250 | n | | | | 70-130 | | |
| Bromomethane | < 0.250 | 0.250 | ** | | | | 30-145 | | |
| Carbon disulfide | < 0.500 | 0.500 | 11 | | | | 35-160 | | |
| Carbon tetrachloride | < 0.250 | 0.250 | " | | | | 65-140 | | |
| Chlorobenzene | < 0.250 | 0.250 | | | | | 80-120 | | |
| Chlorodibromomethane | < 0.250 | 0.250 | " " | | | | 60-135 | | |
| Chloroethane | < 0.250 | 0.250 | " " | | | | 60-135 | | |
| Chloroform | < 0.250 | 0.250 | | | | | 65-135 | | |
| Chloromethane | < 0.250 | 0.250 | n | | | | 40-125 | | |
| cis-1,2-Dichloroethene | < 0.250 | 0.250 | | | | | 70-125 | | |
| cis-1,3-Dichloropropene | < 0.250 | 0.250 | " | | | | 70-130 | | |
| Dibromomethane | < 0.250 | 0.250 | " | | | | 75-125 | | |
| Dichlorodifluoromethane | < 0.250 | 0.250 | " | | | | 30-155 | | |
| Ethyl Ether | < 0.500 | 0.500 | | | | | 50-130 | | |
| Ethylbenzene | < 0.250 | 0.250 | | | | | 75-125 | | |
| Hexachlorobutadiene | < 0.250 | 0.250 | " | | | | 50-140 | | |
| lexachloroethane | < 0.500 | 0.500 | " | | | | 50-130 | | |
| odomethane | < 0.500 | 0.500 | # | | | | 50-130 | | |
| sopropylbenzene | < 0.250 | 0.250 | п | | | | 75-125 | | |
| n,p-Xylene | < 0.250 | 0.250 | " | | | | 75-130 | | |
| Methacrylonitrile | < 1.00 | 1.00 | 11 | | | | 50-130 | | |
| Methyl Acrylate | < 1.00 | 1.00 | п | | | | 50-130 | | |
| Methyl tert-Butyl Ether | < 0.500 | 0.500 | 11 | | | | 65-125 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|-------------------------------|-------------------------|-------|----------------|--------------------|--------------|------------------|-----|--------------|
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| Nethod Blank Spike (1000024-BS2) | | | | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /28/10 | | |
| Methylene chloride | < 0.250 | 0.250 | ug/L | | | | 55-140 | | |
| Naphthalene | < 0.250 | 0.250 | 11 | | | | 55-140 | | |
| -Butyl Benzene | < 0.250 | 0.250 | " | | | | 70-135 | | |
| -Propyl Benzene | < 0.250 | 0.250 | " | | | | 70-130 | | |
| -Xylene | < 0.250 | 0.250 | ** | | | | 80-120 | | |
| -Isopropyltoluene | < 0.250 | 0.250 | п | | | | 75-130 | | |
| ec-Butylbenzene | < 0.250 | 0.250 | н | | | | 70-125 | | |
| tyrene | < 0.250 | 0.250 | ** | | | | 65-135 | | |
| ert-Butylbenzene | < 0.250 | 0.250 | ** | | | | 70-130 | | |
| etrachloroethene | < 0.250 | 0.250 | н | | | | 45-150 | | |
| oluene | < 0.250 | 0.250 | 4 | | | | 75-120 | | |
| rans-1,2-Dichloroethene | < 0.250 | 0.250 | ** | | | | 60-140 | | |
| ans-1,3-Dichloropropene | < 0.250 | 0.250 | п | | | | 55-140 | | |
| richloroethene | < 0.250 < 0.250 | 0.250 | 11 | | | | 70-125 | | |
| richlorofluoromethane | | 0.250 | п | | | | 70-125 60-145 | | |
| | < 0.250 | | п | | | | | | |
| /inyl chloride | < 0.250 | 0.250 | | | | | 50-145 | | |
| urrogate: 1,2-Dichloroethane-d4 | 2.00 | | " | 2.00 | | 100 | 70-120 | | |
| urrogate: 4-Bromofluorobenzene | 2.03 | | " | 2.00 | | 102 | 75-120 | | |
| urrogate: Dibromofluoromethane | 2.02 | | " | 2.00 | | 101 | 85-115 | | |
| urrogate: Toluene-d8 | 1.97 | | " | 2.00 | | 98.5 | 85-120 | | |
| latrix Spike (1000024-MS1) | Source: 1001003-05 Pro | | | | 01/27/10 Ar | nalyzed: 01 | /29/10 | | |
| ,1,1,2-Tetrachloroethane | 4.97 | 0.250 | ug/L | 5.00 | < 0.250 | 99.4 | 80-130 | | |
| 1,1-Trichloroethane | 4.96 | 0.250 | " | 5.00 | < 0.250 | 99.2 | 65-130 | | |
| 1,2,2-Tetrachloroethane | 4.44 | 0.250 | п | 5.00 | < 0.250 | 88.8 | 65-130 | | |
| 1,2-Trichloroethane | 4.84 | 0.250 | 11 | 5.00 | < 0.250 | 96.8 | 75-125 | | |
| 1-Dichloroethane | 4.88 | 0.250 | " | 5.00 | < 0.250 | 97.6 | 70-125 | | |
| 1-Dichloroethene | 5.10 | 0.250 | п | 5.00 | < 0.250 | 102 | 70-133 | | |
| ,1-Dichloropropene | 4.97 | 0.250 | п | 5.00 | < 0.250 | 99.4 | 75-130 75-130 | | |
| ,2,3-Trichlorobenzene | 4.64 | 0.250 | п | 5.00 | < 0.250 | 92.8 | 55-140 | | |
| ,2,3-Trichloropenzerie | 4.50 | 0.250 | п | 5.00 | < 0.250 | 90.0 | 75-125 | | |
| ,2,4-Trichloropropane ,2,4-Trichlorobenzene | 4.50 4.59 | 0.250 | n | 5.00 | < 0.250 < 0.250 | 90.0 | 65-135 | | |
| | | 0.250 | 11 | 5.00 | | | 75-130 | | |
| ,2,4-Trimethylbenzene | 4.66 | | п | | < 0.250 | 93.2 | | | |
| ,2-Dibromo-3-chloropropane | 4.64 | 0.250 | " " | 5.00 | < 0.250 | 92.8 | 50-130 | | |
| ,2-Dibromoethane (EDB) | 5.44 | 0.250 | " | 5.00 | < 0.250 | 109 | 80-120 | | |
| ,2-Dichlorobenzene | 4.63 | 0.250 | " " | 5.00 | < 0.250 | 92.6 | 70-120 | | |
| ,2-Dichloroethane | 4.77 | 0.250 | | 5.00 | < 0.250 | 95.4 | 70-130 | | |
| ,2-Dichloropropane | 4.87 | 0.250 | " | 5.00 | < 0.250 | 97.4 | 75-125 | | |
| ,3,5-Trimethylbenzene | 4.70 | 0.250 | n | 5.00 | < 0.250 | 94.0 | 75-130 | | |
| ,3-Dichlorobenzene | 4.57 | 0.250 | п | 5.00 | < 0.250 | 91.4 | 75-125 | | |
| ,3-Dichloropropane | 4.86 | 0.250 | 11 | 5.00 | < 0.250 | 97.2 | 75-125 | | |
| ,3-Dimethyl adamantane | < 0.250 | 0.250 | 11 | | < 0.250 | | 70-130 | | |
| 4-Dichlorobenzene | 4.55 | 0.250 | п | 5.00 | < 0.250 | 91.0 | 75-125 | | |
| ,2-Dichloropropane | 4.66 | 0.250 | п | 5.00 | < 0.250 | 93.2 | 70-135 | | |
| -Chlorotoluene | 4.60 | 0.250 | 11 | 5.00 | < 0.250 | 92.0 | 75-125 | | |
| -Chlorotoluene | 4.62 | 0.250 | n | 5.00 | < 0.250 | 92.4 | 75-130 | | |
| crylonitrile | 4.56 | 1.00 | " | 5.00 | < 1.00 | 91.2 | 50-130 | | |
| damantane | < 0.250 | 0.250 | 11 | | < 0.250 | | 70-130 | | |
| llyl chloride | 4.77 | 1.00 | п | 5.00 | < 1.00 | 95.4 | 50-130 | | |
| • | 4.84 | 0.250 | п | 5.00 | < 0.250 | 96.8 | 80-120 | | |
| enzene | | | | 5.00 | < 0.250 | 93.8 | 75-125 | | |
| | | () 250 | | | | JU.U | , _ , _ , _ , | | |
| enzene romobenzene romochloromethane | 4.69 | 0.250 0.250 | ,, | | | | | | |
| | | 0.250 0.250 0.250 | | 5.00 5.00 | < 0.250 < 0.250 | 99.2 97.0 | 65-130 75-120 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|--|-------|----------------|------------------|-------------|----------------|-----------|--------------|
| Batch 1000024 - Default Prep VOC | | | | | | | | - · · · - | |
| Matrix Spike (1000024-MS1) | So | urce: 1001003-(|)6 | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /29/10 | | |
| Bromoform | 4.90 | 4.90 0.250 ug/L 5.00 < 0.250 98.0 70-130 | | | | | | | |
| Bromomethane | 4.70 | 0.250 | " | 5.00 | < 0.250 | 94.0 | 30-145 | | |
| Carbon disulfide | 4.77 | 0.500 | 11 | 5.00 | < 0.500 | 95.4 | 35-160 | | |
| Carbon tetrachloride | 4.86 | 0.250 | п | 5.00 | < 0.250 | 97.2 | 65-140 | | |
| Chlorobenzene | 4.73 | 0.250 | п | 5.00 | < 0.250 | 94.6 | 80-120 | | |
| Chlorodibromomethane | 4.96 | 0.250 | п | 5.00 | < 0.250 | 99.2 | 60-135 | | |
| Chloroethane | 4.72 | 0.250 | п | 5.00 | < 0.250 | 94.4 | 60-135 | | |
| Chloroform | 4.92 | 0.250 | n | 5.00 | < 0.250 | 98.4 | 65-135 | | |
| Chloromethane | 4.09 | 0.250 | 11 | 5.00 | < 0.250 | 81.8 | 40-125 | | |
| cis-1,2-Dichloroethene | 5.07 | 0.250 | 11 | 5.00 | < 0.250 | 101 | 70-125 | | |
| cis-1,3-Dichloropropene | 4.89 | 0.250 | 41 | 5.00 | < 0.250 | 97.8 | 70-130 | | |
| Dibromomethane | 4.81 | 0.250 | ** | 5.00 | < 0.250 | 96.2 | 75-125 | | |
| Dichlorodifluoromethane | 3.61 | 0.250 | 11 | 5.00 | < 0.250 | 72.2 | 30-155 | | |
| Ethyl Ether | 4.82 | 0.500 | 11 | 5.00 | < 0.500 | 96.4 | 50-130 | | |
| Ethylbenzene | 4.75 | 0.250 | 11 | 5.00 | < 0.250 | 95.0 | 75-125 | | |
| Hexachlorobutadiene | 4.25 | 0.250 | 11 | 5.00 | < 0.250 | 85.0 | 50-140 | | |
| Hexachloroethane | 4.46 | 0.500 | 11 | 5.00 | < 0.500 | 89.2 | 50-130 | | |
| odomethane | 5.15 | 0.500 | п | 5.00 | < 0.500 | 103 | 50-130 | | |
| sopropylbenzene | 4.76 | 0.250 | fl | 5.00 | < 0.250 | 95.2 | 75-125 | | |
| n,p-Xylene | 9.49 | 0.250 | 11 | 10.0 | < 0.250 | 94.9 | 75-130 | | |
| Methacrylonitrile | 4.80 | 1.00 | 11 | 5.00 | < 1.00 | 96.0 | 50-130 | | |
| Methyl Acrylate | 4.53 | 1.00 | 41 | 5.00 | < 1.00 | 90.6 | 50-130 | | |
| Methyl tert-Butyl Ether | 4.98 | 0.500 | 11 | 5.00 | < 0.500 | 99.6 | 65-125 | | |
| Methylene chloride | 4.90 | 0.250 | 11 | 5.00 | < 0.250 | 98.0 | 55-140 | | |
| | 4.74 | 0.250 | 11 | 5.00 | < 0.250 | 94.8 | 55-140 | | |
| n-Butyl Benzene | 4.39 | 0.250 | 11 | 5.00 | < 0.250 | 87.8 | 70-135 | | |
| n-Propyl Benzene | 4.53 | 0.250 | ** | 5.00 | < 0.250 | 90.6 | 70-130 | | |
| o-Xylene | 4.95 | 0.250 | 11 | 5.00 | < 0.250 | 99.0 | 80-120 | | |
| o-Isopropyltoluene | 4.57 | 0.250 | п | 5.00 | < 0.250 | 91.4 | 75-130 | | |
| sec-Butylbenzene | 4.51 | 0.250 | " | 5.00 | < 0.250 | 90.2 | 70-125 | | |
| Styrene | 5.04 | 0.250 | n | 5.00 | < 0.250 | 101 | 65-135 | | |
| rert-Butylbenzene | 4.67 | 0.250 | 11 | 5.00 | < 0.250 | 93.4 | 70-130 | | |
| Tetrachloroethene | 6.65 | 0.250 | п | 5.00 | < 0.250 | 133 | 45-150 | | |
| Toluene | 4.81 | 0.250 | ** | 5.00 | < 0.250 | 96.2 | 75-120 | | |
| rans-1,2-Dichloroethene | 4.94 | 0.250 | " | 5.00 | < 0.250 | 98.8 | 60-140 | | |
| rans-1,3-Dichloropropene | 4.88 | 0.250 | 11 | 5.00 | < 0.250 | 97.6 | 55-140 | | |
| Frichloroethene | 5.09 | 0.250 | " | 5.00 | < 0.250 | 102 | 70-125 | | |
| Trichlorofluoromethane | 4.71 | 0.250 | " | 5.00 | < 0.250 | 94.2 | 60-145 | | |
| Vinyl chloride | 4.65 | 0.250 | 11 | 5.00 | < 0.250 | 93.0 | 50-145 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 1.98 | <u> </u> | " | 2.00 | | 99.0 | 70-120 | | |
| Surrogate: 4-Bromofluorobenzene | 1.98 | | " | 2.00 | | 99.0 | 75-120 | | |
| Surrogate: Dibromofluoromethane | 1.98 | | " | 2.00 | | 99.0 | 85-115 | | |
| Surrogate: Editionionali of the than e | 2.00 | | " | 2.00 | | 100 | 85-120 | | |

Spike

Source

Reporting

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

RPD

%REC

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
|----------------------------------|--------------|-----------------|-------|-----------|------------------|-------------|------------------|-------------|-------|
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| Matrix Spike (1000024-MS2) | Sou | ırce: 1001003-(|)9 | Prepared: | 01/27/10 Ai | nalyzed: 01 | /29/10 | | |
| ,1,1,2-Tetrachloroethane | 5.33 | 0.250 | ug/L | 5.00 | < 0.250 | 107 | 80-130 | | |
| ,1,1-Trichloroethane | 5.40 | 0.250 | п | 5.00 | < 0.250 | 108 | 65-130 | | |
| ,1,2,2-Tetrachloroethane | 5.01 | 0.250 | 11 | 5.00 | < 0.250 | 100 | 65-130 | | |
| ,1,2-Trichloroethane | 5.13 | 0.250 | " | 5.00 | < 0.250 | 103 | 75-125 | | |
| ,1-Dichloroethane | 5.17 | 0.250 | 11 | 5.00 | < 0.250 | 103 | 70-135 | | |
| ,1-Dichloroethene | 5.55 | 0.250 | 11 | 5.00 | < 0.250 | 111 | 70-130 | | |
| ,1-Dichloropropene | 5.57 | 0.250 | ** | 5.00 | < 0.250 | 111 | 75-130 | | |
| ,2,3-Trichlorobenzene | 5.15 | 0.250 | " | 5.00 | < 0.250 | 103 | 55-140 | | |
| ,2,3-Trichloropropane | 4.76 | 0.250 | " | 5.00 | < 0.250 | 95.2 | 75-125 | | |
| ,2,4-Trichlorobenzene | 5.09 | 0.250 | 11 | 5.00 | < 0.250 | 102 | 65-135 | | |
| ,2,4-Trimethylbenzene | 5.30 | 0.250 | 41 | 5.00 | < 0.250 | 106 | 75-130 | | |
| ,2-Dibromo-3-chloropropane | 4.87 | 0.250 | " | 5.00 | < 0.250 | 97.4 | 50-130 | | |
| ,2-Dibromoethane (EDB) | 5.77 | 0.250 | " | 5.00 | < 0.250 | 115 | 80-120 | | |
| ,2-Dichlorobenzene | 5.07 | 0.250 | n | 5.00 | < 0.250 | 101 | 70-120 | | |
| ,2-Dichloroethane | 4.95 | 0.250 | n | 5.00 | < 0.250 | 99.0 | 70-130 | | |
| ,2-Dichloropropane | 5.17 | 0.250 | п | 5.00 | < 0.250 | 103 | 75-125 | | |
| ,3,5-Trimethylbenzene | 5.34 | 0.250 | n | 5.00 | < 0.250 | 107 | 75-130 | | |
| ,3-Dichlorobenzene | 5.11 | 0.250 | n | 5.00 | < 0.250 | 102 | 75-125 | | |
| , ,3-Dichloropropane | 5.13 | 0.250 | н | 5.00 | < 0.250 | 103 | 75-125 | | |
| ,4-Dichlorobenzene | 5.03 | 0.250 | 11 | 5.00 | < 0.250 | 101 | 75-125 | | |
| ,2-Dichloropropane | 4.90 | 0.250 | 11 | 5.00 | < 0.250 | 98.0 | 70-135 | | |
| -Chlorotoluene | 5.15 | 0.250 | 41 | 5.00 | < 0.250 | 103 | 75-125 | | |
| -Chlorotoluene | 5.22 | 0.250 | " | 5.00 | < 0.250 | 104 | 75-130 | | |
| crylonitrile | 5.03 | 1.00 | 11 | 5.00 | < 1.00 | 101 | 50-130 | | |
| July chloride | 5.23 | 1.00 | п | 5.00 | < 1.00 | 105 | 50-130 | | |
| enzene | 5.20 | 0.250 | п | 5.00 | < 0.250 | 104 | 80-120 | | |
| Bromobenzene | 5.15 | 0.250 | ** | 5.00 | < 0.250 | 103 | 75-125 | | |
| romochloromethane | 5.33 | 0.250 | " | 5.00 | < 0.250 | 107 | 65-130 | | |
| Bromodichloromethane | 5.16 | 0.250 | н | 5.00 | < 0.250 | 103 | 75-120 | | |
| Bromoform | 5.14 | 0.250 | ** | 5.00 | < 0.250 | 103 | 70-130 | | |
| Bromomethane | 5.04 | 0.250 | ** | 5.00 | < 0.250 | 101 | 30-145 | | |
| Carbon disulfide | 5.23 | 0.500 | ** | 5.00 | < 0.500 | 105 | 35-160 | | |
| arbon tetrachloride | 5.47 | 0.250 | 11 | 5.00 | < 0.250 | 109 | 65-140 | | |
| Chlorobenzene | 5.14 | 0.250 | ** | 5.00 | < 0.250 | 103 | 80-120 | | |
| hlorodibromomethane | 5.21 | 0.250 | n | 5.00 | < 0.250 | 104 | 60-135 | | |
| hloroethane | 5.13 | 0.250 | " | 5.00 | < 0.250 | 103 | 60-135 | | |
| Chloroform | 5.24 | 0.250 | п | 5.00 | < 0.250 | 105 | 65-135 | | |
| hloromethane | 4.42 | 0.250 | n | 5.00 | < 0.250 | 88.4 | 40-125 | | |
| is-1,2-Dichloroethene | 5.32 | 0.250 | n | 5.00 | < 0.250 | 106 | 70-125 | | |
| is-1,3-Dichloropropene | 5.28 | 0.250 | п | 5.00 | < 0.250 | 106 | 70-130 | | |
| Dibromomethane | 5.05 | 0.250 | н | 5.00 | < 0.250 | 101 | 75-125 | | |
| Dichlorodifluoromethane | 4.30 | 0.250 | 11 | 5.00 | < 0.250 | 86.0 | 30-155 | | |
| ithyl Ether | 5.12 | 0.500 | п | 5.00 | < 0.500 | 102 | 50-130 | | |
| thylbenzene | 5.33 | 0.250 | 41 | 5.00 | < 0.250 | 107 | 75-125 | | |
| lexachlorobutadiene | 5.12 | 0.250 | 11 | 5.00 | < 0.250 | 102 | 50-140 | | |
| exachloroethane | 5.29 | 0.500 | 11 | 5.00 | < 0.500 | 106 | 50-130 | | |
| odomethane | 5.41 | 0.500 | 11 | 5.00 | < 0.500 | 108 | 50-130 | | |
| sopropylbenzene | 5.51 | 0.250 | " | 5.00 | < 0.250 | 110 | 75-125 | | |
| n,p-Xylene | 10.6 | 0.250 | 11 | 10.0 | < 0.250 | 106 | 75-120 75-130 | | |
| Methacrylonitrile | 4.83 | 1.00 | п | 5.00 | < 1.00 | 96.6 | 50-130 | | |
| Methyl Acrylate | 4.83 4.96 | 1.00 | 11 | 5.00 | < 1.00 < 1.00 | 99.2 | 50-130 | | |
| Nethyl tert-Butyl Ether | | 0.500 | 11 | 5.00 | | 105 | 65-125 | | |
| Nethylene chloride | 5.26 | 0.300 | 11 | 5.00 | < 0.500 | 103 | 55-140 | | |
| • | 5.14 | 0.250 | 11 | 5.00 | < 0.250 | | 55-140 55-140 | | |
| Naphthalene | 5.17 29 | 0.250 | | 5.00 | < 0.250 | 103 | | rint Date : | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------------|--------------------|----------|----------------|--------------------|------------------|------------------|------------|--------------|
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| Matrix Spike (1000024-MS2) | So | urce: 1001003-0 | 9 | Prepared: | 01/27/10 A | nalyzed: 01 | /29/10 | | |
| n-Butyl Benzene | 5.29 | 0.250 | ug/L | 5.00 | < 0.250 | 106 | 70-135 | | |
| n-Propyl Benzene | 5.34 | 0.250 | н | 5.00 | < 0.250 | 107 | 70-130 | | |
| o-Xylene | 5.46 | 0.250 | 11 | 5.00 | < 0.250 | 109 | 80-120 | | |
| o-Isopropyltoluene | 5.40 | 0.250 | 11 | 5.00 | < 0.250 | 108 | 75-130 | | |
| sec-Butylbenzene | 5.42 | 0.250 | 11 | 5.00 | < 0.250 | 108 | 70-125 | | |
| Styrene | 5.48 | 0.250 | 11 | 5.00 | < 0.250 | 110 | 65-135 | | |
| tert-Butyl benzene | 5.47 | 0.250 | п | 5.00 | < 0.250 | 109 | 70-130 | | |
| Tetrachloroethene | 5.40 | 0.250 | ** | 5.00 | < 0.250 | 108 | 45-150 | | |
| Toluene | 5.24 | 0.250 | 11 | 5.00 | < 0.250 | 105 | 75-120 | | |
| trans-1,2-Dichloroethene | 5.36 | 0.250 | 11 | 5.00 | < 0.250 | 107 | 60-140 | | |
| trans-1,3-Dichloropropene | 5.25 | 0.250 | 4 | 5.00 | < 0.250 | 105 | 55-140 | | |
| Trichloroethene | 5.28 | 0.250 | ** | 5.00 | < 0.250 | 106 | 70-125 | | |
| Trichlorofluoromethane | 5.54 | 0.250 | " | 5.00 | < 0.250 | 111 | 60-145 | | |
| Vinyl chloride | 4.98 | 0.250 | ** | 5.00 | < 0.250 | 99.6 | 50-145 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 1.98 | | " | 2.00 | | 99.0 | 70-120 | | |
| Surrogate: 4-Bromofluorobenzene | 1.99 | | " | 2.00 | | 99.5 | 75-120 | | |
| Surrogate: Dibromofluoromethane | 2.07 | | " | 2.00 | | 104 | 85-115 | | |
| Surrogate: Toluene-d8 | 1.99 | | " | 2.00 | | 99.5 | 85-120 | | |
| | | | | _ | | | | | |
| Matrix Spike (1000024-MS3) | | urce: 1001003-4 | | • | 01/27/10 A | | | | |
| 1,1,1,2-Tetrachloroethane | 4.97 | 0.250 | ug/L | 5.00 | < 0.250 | 99.4 | 80-130 | | |
| I,1,1-Trichloroethane | 5.03 | 0.250 | п | 5.00 | < 0.250 | 101 | 65-130 | | |
| 1,1,2,2-Tetrachloroethane | 4.67 | 0.250 | " | 5.00 | < 0.250 | 93.4 | 65-130 | | |
| I,1,2-Trichloroethane | 4.77 | 0.250 | " | 5.00 | < 0.250 | 95.4 | 75-125 | | |
| 1,1-Dichloroethane | 4.82 | 0.250 | " | 5.00 | < 0.250 | 96.4 | 70-135 | | |
| 1,1-Dichloroethene | 5.10 | 0.250 | " " | 5.00 | < 0.250 | 102 | 70-130 | | |
| 1,1-Dichloropropene | 5.11 | 0.250 | | 5.00 | < 0.250 | 102 | 75-130 | | |
| 1,2,3-Trichlorobenzene | 4.84 | 0.250 | | 5.00 | < 0.250 | 96.8 | 55-140 | | |
| 1,2,3-Trichloropropane | 4.54 | 0.250 | | 5.00 | < 0.250 | 90.8 | 75-125 | | |
| 1,2,4-Trichlorobenzene | 4.71 | 0.250 | 41 | 5.00 | < 0.250 | 94.2 | 65-135 | | |
| 1,2,4-Trimethylbenzene | 4.90 | 0.250 | " | 5.00 | < 0.250 | 98.0 | 75-130 | | |
| 1,2-Dibromo-3-chloropropane | 4.44 | 0.250 | | 5.00 | < 0.250 | 88.8 | 50-130 | | |
| 1,2-Dibromoethane (EDB) | 5.40 | 0.250 | ** | 5.00 | < 0.250 | 108 | 80-120 | | |
| 1,2-Dichlorobenzene | 4.74 | 0.250 | | 5.00 | < 0.250 | 94.8 | 70-120 | | |
| 1,2-Dichloroethane | 4.81 | 0.250 | | 5.00 | < 0.250 | 96.2 | 70-130 | | |
| 1,2-Dichloropropane | 4.89 | 0.250 | " | 5.00 | < 0.250 | 97.8 | 75-125 75-130 | | |
| 1,3,5-Trimethylbenzene | 4.92 | 0.250 | | 5.00 5.00 | < 0.250 | 98.4 | | | |
| 1,3-Dichloropenzene | 4.70 | 0.250 | 4 | 5.00 5.00 | < 0.250 | 94.0 | 75-125 75-125 | | |
| 1,3-Dichloropropane 1,3-Dimethyl adamantane | 4.75 | 0.250 | • | 5.00 | < 0.250 | 95.0 | 75-125 | | |
| | < 0.250 | 0.250 | | E 00 | < 0.250 | 03.2 | 70-130 75 125 | | |
| 1,4-Dichlorobenzene | 4.66 | 0.250 | " | 5.00 5.00 | < 0.250 | 93.2 | 75-125 70 135 | | |
| 2,2-Dichloropropane | 4.54 | 0.250 | | 5.00 5.00 | < 0.250 | 90.8 05.6 | 70-135 75-135 | | |
| 2-Chlorotoluene | 4.78 | 0.250 | " " | 5.00 5.00 | < 0.250 | 95.6 05.2 | 75-125 75-130 | | |
| 4-Chlorotoluene | 4.76 | 0.250 | ** | 5.00 | < 0.250 | 95.2 | 75-130 50 130 | | |
| Acrylonitrile | 4.38 | 1.00 | " | 5.00 | < 1.00 | 87.6 | 50-130 70-130 | | |
| Adamantane | < 0.250 | 0.250 | ** | 5.00 | < 0.250 | 07.0 | 70-130 50 130 | | |
| Allyl chloride | 4.85 | 1.00 | ** | 5.00 5.00 | < 1.00 | 97.0 97.4 | 50-130 80 130 | | |
| Benzene Bramahanzana | 4.87 | 0.250 | | 5.00 5.00 | < 0.250 | 97.4 95.0 | 80-120 75 125 | | |
| Bromobenzene | 4.75 | 0.250 | n | 5.00 | < 0.250 | 95.0 | 75-125 | | |
| Bromochl oromethane | 4.91 | 0.250 | " | 5.00 | < 0.250 | 98.2 | 65-130 75-130 | | |
| Bromodichloromethane | 4.87 | 0.250 | " | 5.00 | < 0.250 | 97.4 | 75-120 70-130 | | |
| Bromoform Bromomethane | 4.87 4.67 | 0.250 0.250 | " | 5.00 5.00 | < 0.250 < 0.250 | 97.4 93.4 | 70-130 30-145 | | |
| | 4.07 | 0.200 | | 3.00 | < 0.∠50 | 3J. 4 | | – . | 00 1 0011 |
| 1001002,1001003,1001005 FINAL 06 09 11 1029 | | Page | 266 of 2 | 91 | | | F | rint Date: | 09-Jun-2011 |

Spike

Source

Reporting

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

RPD

%REC

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
|--|--------------|----------------|-------|--------------|------------|-------------|------------------|-----|-------|
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| Matrix Spike (1000024-MS3) | Sou | ırce: 1001003- | 44 | Prepared: | 01/27/10 A | nalyzed: 01 | /29/10 | | |
| Carbon disulfide | 4.85 | 0.500 | ug/L | 5.00 | < 0.500 | 97.0 | 35-160 | | |
| Carbon tetrachloride | 5.04 | 0.250 | ** | 5.00 | < 0.250 | 101 | 65-140 | | |
| Chlorobenzene | 4.75 | 0.250 | 11 | 5.00 | < 0.250 | 95.0 | 80-120 | | |
| Chlorodibromomethane | 4.82 | 0.250 | п | 5.00 | < 0.250 | 96.4 | 60-135 | | |
| Chloroethane | 4.68 | 0.250 | 11 | 5.00 | < 0.250 | 93.6 | 60-135 | | |
| Chloroform | 4.93 | 0.250 | 11 | 5.00 | < 0.250 | 98.6 | 65-135 | | |
| Chloromethane | 4.17 | 0.250 | " | 5.00 | < 0.250 | 83.4 | 40-125 | | |
| sis-1,2-Dichloroethene | 4.98 | 0.250 | " | 5.00 | < 0.250 | 99.6 | 70-125 | | |
| sis-1,3-Dichloropropene | 4.83 | 0.250 | *1 | 5.00 | < 0.250 | 96.6 | 70-130 | | |
| Dibromomethane | 4.77 | 0.250 | ** | 5.00 | < 0.250 | 95.4 | 75-125 | | |
| Dichlorodifluoromethane | 3.92 | 0.250 | 11 | 5.00 | < 0.250 | 78.4 | 30-155 | | |
| Ethyl Ether | 4.81 | 0.500 | " | 5.00 | < 0.500 | 96.2 | 50-130 | | |
| Ethylbenzene | 4.90 | 0.250 | н | 5.00 | < 0.250 | 98.0 | 75-125 | | |
| Hexachlorobutadiene | 4.66 | 0.250 | ** | 5.00 | < 0.250 | 93.2 | 50-140 | | |
| -lexachloroethane | 4.97 | 0.500 | п | 5.00 | < 0.500 | 99.4 | 50-130 | | |
| odomethane | 5.07 | 0.500 | # | 5.00 | < 0.500 | 101 | 50-130 | | |
| sopropylbenzene | 5.05 | 0.250 | " | 5.00 | < 0.250 | 101 | 75-125 | | |
| m,p-Xylene | 9.74 | 0.250 | " | 10.0 | < 0.250 | 97.4 | 75-130 | | |
| Methacrylonitrile | 4.66 | 1.00 | 11 | 5.00 | < 1.00 | 93.2 | 50-130 | | |
| Methyl Acrylate | 4.52 | 1.00 | " | 5.00 | < 1.00 | 90.4 | 50-130 | | |
| Methyl tert-Butyl Ether | 4.94 | 0.500 | " | 5.00 | < 0.500 | 98.8 | 65-125 | | |
| Viethylene chloride | 4.79 | 0.250 | u | 5.00 | < 0.250 | 95.8 | 55-140 | | |
| Naphthalene | 4.91 | 0.250 | 11 | 5.00 | < 0.250 | 98.2 | 55-140 | | |
| n-Butyl Benzene | 4.73 | 0.250 | н | 5.00 | < 0.250 | 94.6 | 70-135 | | |
| n-Propyl Benzene | 4.80 | 0.250 | п | 5.00 | < 0.250 | 96.0 | 70-130 | | |
| o-Xylene | 5.06 | 0.250 | ** | 5.00 | < 0.250 | 101 | 80-120 | | |
| p-Isopropyltoluene | 4.91 | 0.250 | ** | 5.00 | < 0.250 | 98.2 | 75-130 | | |
| ec-Butylbenzene | 4.99 | 0.250 | ** | 5.00 | < 0.250 | 99.8 | 70-125 | | |
| Styrene | 5.05 | 0.250 | ** | 5.00 | < 0.250 | 101 | 65-135 | | |
| ert-Butylbenzene | 5.14 | 0.250 | ** | 5.00 | < 0.250 | 103 | 70-130 | | |
| | 5.02 | 0.250 | ** | 5.00 | < 0.250 | 100 | 45-150 | | |
| Foluene | 4.84 | 0.250 | п | 5.00 | < 0.250 | 96.8 | 75-120 | | |
| rans-1,2-Dichloroethene | 4.96 | 0.250 | п | 5.00 | < 0.250 | 99.2 | 60-140 | | |
| rans-1,3-Dichloropropene | 4.82 | 0.250 | " | 5.00 | < 0.250 | 96.4 | 55-140 | | |
| Frichloroethene | 4.87 | 0.250 | 11 | 5.00 | < 0.250 | 97.4 | 70-125 | | |
| Frichlorofluoromethane | 5.10 | 0.250 | 11 | 5.00 | < 0.250 | 102 | 60-145 | | |
| /inyl chloride | 4.75 | 0.250 | 11 | 5.00 | < 0.250 | 95.0 | 50-145 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 1.96 | | " | 2.00 | - 0.200 | 98.0 | 70-120 | | |
| | 1.99 | | " | 2.00 | | 99.5 | 70-120 75-120 | | |
| Surrogate: 4-Bromofluorobenzene | | | " | | | | | | |
| Surrogate: Dibromofluoromethane Surrogate: Toluene-d8 | 2.00 2.00 | | ,, | 2.00 2.00 | | 100 100 | 85-115 85-120 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|-------------------|--------------------|-------|----------------|-------------------|-------------|------------------|-----|--------------|
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| Matrix Spike (1000024-MS4) | So | urce: 1001003- |)3 | Prepared: | 01/27/10 A | nalyzed: 01 | /29/10 | | |
| 1,1,1,2-Tetrachloroethane | < 0.250 | 0.250 | ug/L | | < 0.250 | | 80-130 | | |
| 1,1,1-TrichIoroethane | < 0.250 | 0.250 | ** | | < 0.250 | | 65-130 | | |
| 1,1,2,2-Tetrachloroethane | 0.290 | 0.250 | 11 | | < 0.250 | | 65-130 | | |
| 1,1,2-Trichloroethane | < 0.250 | 0.250 | " | | < 0.250 | | 75-125 | | |
| 1,1-Dichloroethane | < 0.250 | 0.250 | 11 | | < 0.250 | | 70-135 | | |
| 1,1-Dichloroethene | < 0.250 | 0.250 | 11 | | < 0.250 | | 70-130 | | |
| 1,1-Dichloropropene | < 0.250 | 0.250 | н | | < 0.250 | | 75-130 | | |
| 1,2,3-Trichlorobenzene | < 0.250 | 0.250 | н | | < 0.250 | | 55-140 | | |
| 1,2,3-Trichloropropane | < 0.250 | 0.250 | " | | < 0.250 | | 75-125 | | |
| 1,2,4-Trichlorobenzene | < 0.250 | 0.250 | " | | < 0.250 | | 65-135 | | |
| 1,2,4-Trimethylbenzene | < 0.250 | 0.250 | 41 | | < 0.250 | | 75-130 | | |
| 1,2-Dibromo-3-chloropropane | < 0.250 | 0.250 | ** | | < 0.250 | | 50-130 | | |
| 1,2-Dibromoethane (EDB) | < 0.250 | 0.250 | " | | < 0.250 | | 80-120 | | |
| 1,2-Dichlorobenzene | < 0.250 | 0.250 | " | | < 0.250 | | 70-120 | | |
| 1,2-Dichloroethane | < 0.250 | 0.250 | 11 | | < 0.250 | | 70-130 | | |
| 1,2-Dichloropropane | < 0.250 | 0.250 | # | | < 0.250 | | 75-125 | | |
| 1,3,5-Trimethylbenzene | < 0.250 | 0.250 | " " | | < 0.250 | | 75-130 | | |
| 1,3-Dichlorobenzene | < 0.250 | 0.250 | | | < 0.250 | | 75-125 | | |
| 1,3-Dichloropropane | < 0.250 | 0.250 | " " | F 00 | < 0.250 | 400 | 75-125 | | |
| 1,3-Dimethyl adamantane | 7.03 | 0.250 | " | 5.00 | 1.74 | 106 | 70-130 | | |
| 1,4-Dichlorobenzene | < 0.250 | 0.250 | п | | < 0.250 | | 75-125 | | |
| 2,2-Dichloropropane 2-Chlorotoluene | < 0.250 | 0.250 0.250 | 11 | | < 0.250 | | 70-135 75-125 | | |
| 4-Chlorotoluene | < 0.250 | 0.250 | 11 | | < 0.250 | | 75-125 75-130 | | |
| Acrylonitrile | < 0.250 < 1.00 | 1.00 | " | | < 0.250 < 1.00 | | 50-130 | | |
| Adamantane | 5.76 | 0.250 | 11 | 5.00 | 0.210 | 111 | 70-130 | | |
| Allyl chloride | < 1.00 | 1.00 | ** | 3.00 | < 1.00 | 111 | 50-130 | | |
| Benzene | < 0.250 | 0.250 | п | | < 0.250 | | 80-130 | | |
| Bromobenzene | < 0.250 | 0.250 | п | | < 0.250 | | 75-125 | | |
| Bromochl promethane | < 0.250 | 0.250 | " | | < 0.250 | | 65-130 | | |
| Bromodichloromethane | < 0.250 | 0.250 | ** | | < 0.250 | | 75-120 | | |
| Bromoform | < 0.250 | 0.250 | н | | < 0.250 | | 70-130 | | |
| Bromomethane | < 0.250 | 0.250 | п | | < 0.250 | | 30-145 | | |
| Carbon disulfide | < 0.500 | 0.500 | ч | | < 0.500 | | 35-160 | | |
| Carbon tetrachloride | < 0.250 | 0.250 | п | | < 0.250 | | 65-140 | | |
| Chlorobenzene | < 0.250 | 0.250 | " | | < 0.250 | | 80-120 | | |
| Chlorodibromomethane | < 0.250 | 0.250 | ** | | < 0.250 | | 60-135 | | |
| Chloroethane | < 0.250 | 0.250 | " | | < 0.250 | | 60-135 | | |
| Chloroform | < 0.250 | 0.250 | ** | | < 0.250 | | 65-135 | | |
| Chloromethane | < 0.250 | 0.250 | н | | < 0.250 | | 40-125 | | |
| cis-1,2-Dichloroethene | < 0.250 | 0.250 | п | | < 0.250 | | 70-125 | | |
| cis-1,3-Dichloropropene | < 0.250 | 0.250 | 11 | | < 0.250 | | 70-130 | | |
| Dibromomethane | < 0.250 | 0.250 | " | | < 0.250 | | 75-125 | | |
| Dichlorodifluoromethane | < 0.250 | 0.250 | a | | < 0.250 | | 30-155 | | |
| Ethyl Ether | < 0.500 | 0.500 | " | | < 0.500 | | 50-130 | | |
| Ethylbenzene | < 0.250 | 0.250 | 11 | | < 0.250 | | 75-125 | | |
| Hexachlorobutadiene | < 0.250 | 0.250 | #1 | | < 0.250 | | 50-140 | | |
| Hexachloroethane | < 0.500 | 0.500 | 11 | | < 0.500 | | 50-130 | | |
| Iodomethane | < 0.500 | 0.500 | # | | < 0.500 | | 50-130 | | |
| Isopropylbenzene | < 0.250 | 0.250 | 11 | | < 0.250 | | 75-125 | | |
| m,p-Xylene | < 0.250 | 0.250 | " | | < 0.250 | | 75-130 | | |
| Methacrylonitrile | < 1.00 | 1.00 | # | | < 1.00 | | 50-130 | | |
| Methyl Acrylate | < 1.00 | 1.00 | " | | < 1.00 | | 50-130 | | |
| Methyl tert-Butyl Ether | < 0.500 | 0.500 | 11 | | < 0.500 | | 65-125 | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | |
|--|---------|--------------------|-------|----------------|------------------|-------------|------------------|-----|--------------|---|
| Batch 1000024 - Default Prep VOC | | | | | | | | | | |
| Matrix Spike (1000024-MS4) | Sou | ırce: 1001003- | 03 | Prepared: (| 01/27/10 Ar | nalyzed: 01 | /29/10 | | | |
| Methylene chloride | < 0.250 | 0.250 | ug/L | | < 0.250 | | 55-140 | | | |
| Naphthalene | < 0.250 | 0.250 | n | | < 0.250 | | 55-140 | | | |
| n-Butyl Benzene | < 0.250 | 0.250 | | | < 0.250 | | 70-135 | | | |
| n-Propyl Benzene | < 0.250 | 0.250 | " | | < 0.250 | | 70-130 | | | |
| p-Xylene | < 0.250 | 0.250 | 11 | | < 0.250 | | 80-120 | | | |
| o-Isopropyltoluene | < 0.250 | 0.250 | " " | | < 0.250 | | 75-130 | | | |
| ec-Butyl benzene | < 0.250 | 0.250 | " | | < 0.250 | | 70-125 | | | |
| Styrene | < 0.250 | 0.250 | | | < 0.250 | | 65-135 | | | |
| ert-Butyl benzene | < 0.250 | 0.250 | п | | < 0.250 | | 70-130 | | | |
| Fetrachloroethene | < 0.250 | 0.250 | п | | < 0.250 | | 45-150 75-400 | | | |
| Foluene | < 0.250 | 0.250 | " | | < 0.250 | | 75-120 60 140 | | | |
| rans-1,2-Dichloroethene | < 0.250 | 0.250 | n | | < 0.250 | | 60-140 | | | |
| rans-1,3-Dichloropropene | < 0.250 | 0.250 | n | | < 0.250 | | 55-140 70 125 | | | |
| Trichloroethene | < 0.250 | 0.250 | " | | < 0.250 | | 70-125 60 145 | | | |
| Frichlorofluoromethane /inyl chloride | < 0.250 | 0.250 0.250 | n | | < 0.250 | | 60-145 50-145 | | | |
| <u> </u> | < 0.250 | 0.250 | " | 0.00 | < 0.250 | 400 | | | | _ |
| Surrogate: 1,2-Dichloroethane-d4 | 2.06 | | " | 2.00 | | 103 | 70-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 1.95 | | " | 2.00 | | 97.5 | 75-120 95-115 | | | |
| Surrogate: Dibromofluoromethane | 2.02 | | " | 2.00 | | 101 | 85-115 85-120 | | | |
| urrogate: Toluene-d8 | 1.97 | | | 2.00 | | 98.5 | 85-120 | | | |
| GTB01 (1001003-45) | | | | Prepared 8 | & Analyzed: | 01/27/10 | | | | |
| ,1,1,2-Tetrachloroethane | < 0.250 | 0.250 | ug/L | | | | | | | |
| ,1,1-Trichloroethane | < 0.250 | 0.250 | " | | | | | | | |
| ,1,2,2-Tetrachloroethane | < 0.250 | 0.250 | ** | | | | | | | |
| ,1,2-Trichloroethane | < 0.250 | 0.250 | # | | | | | | | |
| ,1-Dichloroethane | < 0.250 | 0.250 | " | | | | | | | |
| ,1-Dichloroethene | < 0.250 | 0.250 | 41 | | | | | | | |
| ,1-Dichloropropene | < 0.250 | 0.250 | " | | | | | | | |
| ,2,3-Trichlorobenzene | < 0.250 | 0.250 | " | | | | | | | |
| ,2,3-Trichloropropane | < 0.250 | 0.250 | 41 | | | | | | | |
| ,2,4-Trichlorobenzene | < 0.250 | 0.250 | " | | | | | | | |
| ,2,4-Trimethylbenzene | < 0.250 | 0.250 | н | | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 0.250 | 0.250 | 11 | | | | | | | |
| ,2-Dibromoethane (EDB) | < 0.250 | 0.250 | п | | | | | | | |
| ,2-Dichlorobenzene | < 0.250 | 0.250 | " | | | | | | | |
| ,2-Dichloroethane | < 0.250 | 0.250 | п | | | | | | | |
| ,2-Dichloropropane | < 0.250 | 0.250 | " | | | | | | | |
| ,3,5-Trimethylbenzene | < 0.250 | 0.250 | п | | | | | | | |
| ,3-Dichlorobenzene | < 0.250 | 0.250 | п | | | | | | | |
| ,3-Dichloropropane | < 0.250 | 0.250 | п | | | | | | | |
| ,3-Dimethyl adamantane | < 0.250 | 0.250 | п | | | | | | | |
| ,4-Dichlorobenzene | < 0.250 | 0.250 | п | | | | | | | |
| ,2-Dichloropropane | < 0.250 | 0.250 | n | | | | | | | |
| -Chlorotoluene | < 0.250 | 0.250 | п | | | | | | | |
| -Chlorotoluene | < 0.250 | 0.250 | п | | | | | | | |
| Acrylonitrile | < 1.00 | 1.00 | " | | | | | | | |
| Adamantane | < 0.250 | 0.250 | n | | | | | | | |
| Allyl chloride | < 1.00 | 1.00 | п | | | | | | | |
| Benzene | < 0.250 | 0.250 | п | | | | | | | |
| Bromobenzene | < 0.250 | 0.250 | n | | | | | | | |
| Bromochloromethane | < 0.250 | 0.250 | п | | | | | | | |
| Bromodichloromethane | < 0.250 | 0.250 | # | | | | | | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|----------------------------------|---------|--------------------|-------|----------------|------------------|----------|----------------|-----|--------------|
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| PGTB01 (1001003-45) | | | | Prepared 8 | Analyzed: | 01/27/10 | | | |
| Bromoform | < 0.250 | 0.250 | ug/L | | | | | | |
| Bromomethane | < 0.250 | 0.250 | 11 | | | | | | |
| Carbon disulfide | < 0.500 | 0.500 | 11 | | | | | | |
| Carbon tetrachloride | < 0.250 | 0.250 | 11 | | | | | | |
| Chlorobenzene | < 0.250 | 0.250 | 11 | | | | | | |
| Chlorodibromomethane | < 0.250 | 0.250 | 11 | | | | | | |
| Chloroethane | < 0.250 | 0.250 | 11 | | | | | | |
| Chloroform | < 0.250 | 0.250 | " | | | | | | |
| Chloromethane | < 0.250 | 0.250 | 11 | | | | | | |
| sis-1,2-Dichloroethene | < 0.250 | 0.250 | 11 | | | | | | |
| cis-1,3-Dichloropropene | < 0.250 | 0.250 | 41 | | | | | | |
| Dibromomethane | < 0.250 | 0.250 | ** | | | | | | |
| Dichlorodifluoromethane | < 0.250 | 0.250 | n | | | | | | |
| Ethyl Ether | < 0.500 | 0.500 | ** | | | | | | |
| Ethylbenzene | < 0.250 | 0.250 | п | | | | | | |
| Hexachlorobutadiene | < 0.250 | 0.250 | 11 | | | | | | |
| Hexachloroethane | < 0.500 | 0.500 | 11 | | | | | | |
| odomethane | < 0.500 | 0.500 | 11 | | | | | | |
| sopropylbenzene | < 0.250 | 0.250 | # | | | | | | |
| m,p-Xylene | < 0.250 | 0.250 | n | | | | | | |
| Methacrylonitrile | < 1.00 | 1.00 | 11 | | | | | | |
| Methyl Acrylate | < 1.00 | 1.00 | 41 | | | | | | |
| Methyl tert-Butyl Ether | < 0.500 | 0.500 | 11 | | | | | | |
| Methylene chloride | < 0.250 | 0.250 | 11 | | | | | | |
| Naphthalene | < 0.250 | 0.250 | 11 | | | | | | |
| n-Butyl Benzene | < 0.250 | 0.250 | 11 | | | | | | |
| n-Propyl Benzene | < 0.250 | 0.250 | ** | | | | | | |
| o-Xylene | < 0.250 | 0.250 | 11 | | | | | | |
| p-IsopropyItoluene | < 0.250 | 0.250 | п | | | | | | |
| sec-Butyl benzene | < 0.250 | 0.250 | ** | | | | | | |
| Styrene | < 0.250 | 0.250 | n | | | | | | |
| ert-Butylbenzene | < 0.250 | 0.250 | п | | | | | | |
| Tetrachloroethene | < 0.250 | 0.250 | п | | | | | | |
| Foluene | < 0.250 | 0.250 | " | | | | | | |
| rans-1,2-Dichloroethene | < 0.250 | 0.250 | 11 | | | | | | |
| rans-1,3-Dichloropropene | < 0.250 | 0.250 | п | | | | | | |
| Frichloroethene | < 0.250 | 0.250 | п | | | | | | |
| Trichlorofluoromethane | < 0.250 | 0.250 | n | | | | | | |
| Vinyl chloride | < 0.250 | 0.250 | 11 | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 2.08 | | n | 2.00 | | 104 | 70-120 | | |
| Surrogate: 4-Bromofluorobenzene | 2.06 | | " | 2.00 | | 103 | 75-120 | | |
| Surrogate: Dibromofluoromethane | 2.03 | | " | 2.00 | | 102 | 85-115 | | |
| Surrogate: Toluene-d8 | 1.96 | | " | 2.00 | | 98.0 | 85-120 | | |

Spike

Source

Reporting

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

RPD

%REC

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
|----------------------------------|--------------------|-------|-------|------------|-----------|----------|--------|-----|-------|
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| dolding Blank (1001003-46) | | | | Prepared 8 | Analyzed: | 01/27/10 | | | |
| ,1,1,2-Tetrachloroethane | < 0.250 | 0.250 | ug/L | | | | | | |
| ,1,1-Trichloroethane | < 0.250 | 0.250 | п | | | | | | |
| ,1,2,2-Tetrachloroethane | < 0.250 | 0.250 | 11 | | | | | | |
| ,1,2-Trichloroethane | < 0.250 | 0.250 | 11 | | | | | | |
| ,1-Dichloroethane | < 0.250 | 0.250 | п | | | | | | |
| ,1-Dichloroethene | < 0.250 | 0.250 | 11 | | | | | | |
| ,1-Dichloropropene | < 0.250 | 0.250 | н | | | | | | |
| ,2,3-Trichlorobenzene | < 0.250 | 0.250 | " | | | | | | |
| ,2,3-Trichloropropane | < 0.250 | 0.250 | ** | | | | | | |
| ,2,4-Trichlorobenzene | < 0.250 | 0.250 | п | | | | | | |
| ,2,4-Trimethylbenzene | < 0.250 | 0.250 | 11 | | | | | | |
| ,2-Dibromo-3-chloropropane | < 0.250 | 0.250 | 11 | | | | | | |
| ,2-Dibromoethane (EDB) | < 0.250 | 0.250 | п | | | | | | |
| ,2-Dichlorobenzene | < 0.250 | 0.250 | п | | | | | | |
| ,2-Dichloroethane | < 0.250 | 0.250 | п | | | | | | |
| ,2-Dichloropropane | < 0.250 | 0.250 | и | | | | | | |
| ,3,5-Trimethylbenzene | < 0.250 < 0.250 | 0.250 | 11 | | | | | | |
| ,3-Dichlorobenzene | | 0.250 | п | | | | | | |
| | < 0.250 | 0.250 | п | | | | | | |
| ,3-Dichloropropane | < 0.250 | | " | | | | | | |
| ,3-Dimethyl adamantane | < 0.250 | 0.250 | n | | | | | | |
| ,4-Dichlorobenzene | < 0.250 | 0.250 | п | | | | | | |
| 2-Dichloropropane | < 0.250 | 0.250 | | | | | | | |
| -Chlorotoluene | < 0.250 | 0.250 | | | | | | | |
| -Chlorotoluene | < 0.250 | 0.250 | | | | | | | |
| crylonitrile | < 1.00 | 1.00 | " | | | | | | |
| damantane | < 0.250 | 0.250 | " | | | | | | |
| llyl chloride | < 1.00 | 1.00 | " | | | | | | |
| enzene | < 0.250 | 0.250 | " | | | | | | |
| Bromobenzene | < 0.250 | 0.250 | " | | | | | | |
| Bromochloromethane | < 0.250 | 0.250 | " | | | | | | |
| romodichIoromethane | < 0.250 | 0.250 | я | | | | | | |
| Bromoform | < 0.250 | 0.250 | п | | | | | | |
| romomethane | < 0.250 | 0.250 | 11 | | | | | | |
| arbon disulfide | < 0.500 | 0.500 | " | | | | | | |
| arbon tetrachloride | < 0.250 | 0.250 | n | | | | | | |
| hlorobenzene | < 0.250 | 0.250 | 11 | | | | | | |
| chlorodibromomethane | < 0.250 | 0.250 | ** | | | | | | |
| hloroethane | < 0.250 | 0.250 | n | | | | | | |
| hloroform | < 0.250 | 0.250 | п | | | | | | |
| hloromethane | < 0.250 | 0.250 | п | | | | | | |
| is-1,2-Dichloroethene | < 0.250 | 0.250 | #1 | | | | | | |
| is-1,3-Dichloropropene | < 0.250 | 0.250 | 11 | | | | | | |
| Dibromomethane | < 0.250 | 0.250 | п | | | | | | |
| Dichlorodifluoromethane | < 0.250 | 0.250 | п | | | | | | |
| thyl Ether | < 0.500 | 0.500 | п | | | | | | |
| thylbenzene | < 0.250 | 0.250 | 11 | | | | | | |
| lexachlorobutadiene | < 0.250 | 0.250 | ** | | | | | | |
| lexachloroethane | < 0.500 | 0.500 | n | | | | | | |
| odomethane | < 0.500 | 0.500 | н | | | | | | |
| sopropylbenzene | | 0.300 | 11 | | | | | | |
| | < 0.250 | | n | | | | | | |
| n,p-Xylene | < 0.250 | 0.250 | и. | | | | | | |
| Methacrylonitrile | < 1.00 | 1.00 | , , | | | | | | |
| Methyl Acrylate | < 1.00 | 1.00 | " | | | | | | |
| lethyl tert-Butyl Ether | < 0.500 | 0.500 | ,, | | | | Р | | |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|----------------------------------|---------|-----------|-------|------------|-----------|----------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000024 - Default Prep VOC | | | | | | | | | |
| Holding Blank (1001003-46) | | | | Prepared 8 | Analyzed: | 01/27/10 | | | |
| Methylene chloride | < 0.250 | 0.250 | ug/L | | | | | | |
| Naphthalene | < 0.250 | 0.250 | ** | | | | | | |
| n-Butyl Benzene | < 0.250 | 0.250 | ** | | | | | | |
| n-Propyl Benzene | < 0.250 | 0.250 | 11 | | | | | | |
| o-Xylene | < 0.250 | 0.250 | # | | | | | | |
| o-IsopropyItoIuene | < 0.250 | 0.250 | 11 | | | | | | |
| sec-Butyl benzene | < 0.250 | 0.250 | п | | | | | | |
| Styrene | < 0.250 | 0.250 | " | | | | | | |
| tert-Butylbenzene | < 0.250 | 0.250 | " | | | | | | |
| Tetrachloroethene | < 0.250 | 0.250 | 11 | | | | | | |
| Toluene | < 0.250 | 0.250 | 4 | | | | | | |
| trans-1,2-Dichloroethene | < 0.250 | 0.250 | " | | | | | | |
| trans-1,3-Dichloropropene | < 0.250 | 0.250 | ** | | | | | | |
| Trichloroethene | < 0.250 | 0.250 | " | | | | | | |
| Trichlorofluoromethane | < 0.250 | 0.250 | 11 | | | | | | |
| Vinyl chloride | < 0.250 | 0.250 | # | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 2.05 | | " | 2.00 | | 102 | 70-120 | | |
| Surrogate: 4-Bromofluorobenzene | 2.01 | | " | 2.00 | | 100 | 75-120 | | |
| Surrogate: Dibromofluoromethane | 2.01 | | " | 2.00 | | 100 | 85-115 | | |
| Surrogate: Toluene-d8 | 2.00 | | " | 2.00 | | 100 | 85-120 | | |

Batch 1000027 - Default Prep VOC

| Method Blank (1000027-BLK1) | | | | Prepared: 02/01/10 Analyzed: 02/02/10 |
|--|---------|-------|-----------|---------------------------------------|
| 1,1,1,2-Tetrachloroethane | < 0.250 | 0.250 | ug/L | |
| 1,1,1-Trichloroethane | < 0.500 | 0.500 | 11 | |
| 1,1,2,2-Tetrachloroethane | < 0.250 | 0.250 | 11 | |
| 1,1,2-Trichloroethane | < 0.250 | 0.250 | " | |
| 1,1-Dichloroethane | < 0.250 | 0.250 | н | |
| 1,1-Dichloroethene | < 0.250 | 0.250 | " | |
| 1,1-Dichloropropene | < 0.500 | 0.500 | 11 | |
| 1,2,3-Trichlorobenzene | < 0.250 | 0.250 | 11 | |
| 1,2,3-Trichloropropane | < 0.250 | 0.250 | 4 | |
| 1,2,4-Trichlorobenzene | < 0.250 | 0.250 | 11 | |
| 1,2,4-Trimethylbenzene | < 0.250 | 0.250 | н | |
| 1,2-Dibromo-3-chloropropane | < 0.250 | 0.250 | " | |
| 1,2-Dibromoethane (EDB) | < 0.250 | 0.250 | 11 | |
| 1,2-Dichlorobenzene | < 0.250 | 0.250 | н | |
| 1,2-Dichloroethane | < 0.250 | 0.250 | п | |
| 1,2-Dichloropropane | < 0.250 | 0.250 | 11 | |
| 1,3,5-Trimethylbenzene | < 0.250 | 0.250 | 11 | |
| 1,3-Dichlorobenzene | < 0.250 | 0.250 | " | |
| 1,3-Dichloropropane | < 0.250 | 0.250 | | |
| 1,3-Dimethyl adamantane | < 0.250 | 0.250 | n | |
| 1,4-Dichlorobenzene | < 0.250 | 0.250 | 11 | |
| 2,2-Dichloropropane | < 0.250 | 0.250 | 11 | |
| 2-Chlorotoluene | < 0.250 | 0.250 | п | |
| 4-Chlorotoluene | < 0.250 | 0.250 | н | |
| Acrylonitrile | < 1.00 | 1.00 | " | |
| Adamantane | < 0.250 | 0.250 | " | |
| Allyl chloride | < 1.00 | 1.00 | н | |
| 1001002,1001003,1001005 FINAL 06 09 11 | 1029 | Page | 272 of 29 | 1 Print Date : 09-Jun-2011 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|------------------------------------|--------------------|--------------------|--------|----------------|------------------|-------------|----------------|-----|--------------|
| Batch 1000027 - Default Prep VOC | | | | | | | | | |
| Nethod Blank (1000027-BLK1) | | | | Prepared: | 02/01/10 Ar | nalyzed: 02 | /02/10 | | |
| Benzene | < 0.250 | 0.250 | ug/L | • | | | | | |
| Bromobenzene | < 0.250 | 0.250 | " | | | | | | |
| Bromochloromethane | < 0.250 | 0.250 | n | | | | | | |
| Bromodichloromethane | < 0.250 | 0.250 | " | | | | | | |
| Bromoform | < 0.250 | 0.250 | | | | | | | |
| Bromomethane | < 0.250 | 0.250 | n | | | | | | |
| arbon disulfide | < 0.500 | 0.500 | п | | | | | | |
| arbon tetrachloride | < 0.250 | 0.250 | " | | | | | | |
| thlorobenzene | < 0.250 | 0.250 | " | | | | | | |
| hlorodibromomethane | < 0.250 | 0.250 | | | | | | | |
| hloroethane | < 0.250 | 0.250 | п | | | | | | |
| Chloroform | < 0.250 | 0.250 | " | | | | | | |
| Chloromethane | < 0.250 | 0.250 | | | | | | | |
| is-1,2-Dichloroethene | < 0.250 | 0.250 | " | | | | | | |
| is-1,3-Dichloropropene | < 0.250 | 0.250 | " | | | | | | |
| Dibromomethane | | 0.250 | п | | | | | | |
| Dichlorodifluoromethane | < 0.250 < 0.250 | 0.250 | | | | | | | |
| thyl Ether | < 0.250 | 0.500 | | | | | | | |
| • | | | п | | | | | | |
| thylbenzene lexachlorobutadiene | < 0.250 | 0.250 | | | | | | | |
| | < 0.250 | 0.250 1.00 | ,, | | | | | | |
| dexachloroethane | < 1.00 | | п | | | | | | |
| odomethane | < 0.500 | 0.500 | 11 | | | | | | |
| opropylbenzene | < 0.250 | 0.250 | 11 | | | | | | |
| n,p-Xylene | < 1.00 | 1.00 | 11 | | | | | | |
| Methacrylonitrile | < 1.00 | 1.00 | | | | | | | |
| Methyl Acrylate | < 1.00 | 1.00 | " " | | | | | | |
| Nethyl tert-Butyl Ether | < 0.500 | 0.500 | 11 | | | | | | |
| Methylene chloride | 0.430 | 0.250 | " # | | | | | | |
| laphthalene | < 1.00 | 1.00 | " | | | | | | |
| -Butyl Benzene | < 0.250 | 0.250 | | | | | | | |
| litrobenzene | < 5.00 | 5.00 | " | | | | | | |
| -Propyl Benzene | < 0.250 | 0.250 | п | | | | | | |
| -Xylene | < 0.250 | 0.250 | п | | | | | | |
| entachloroethane | < 1.00 | 1.00 | " | | | | | | |
| -IsopropyItoIuene | < 0.250 | 0.250 | " | | | | | | |
| ec-Butylbenzene | < 0.250 | 0.250 | 11 | | | | | | |
| tyrene | < 0.250 | 0.250 | " | | | | | | |
| ert-Butylbenzene | < 0.250 | 0.250 | n | | | | | | |
| etrachloroethene | < 0.250 | 0.250 | п | | | | | | |
| oluene | < 0.250 | 0.250 | п | | | | | | |
| rans-1,2-Dichloroethene | < 0.250 | 0.250 | 11 | | | | | | |
| rans-1,3-Dichloropropene | < 0.250 | 0.250 | 11 | | | | | | |
| richloroethene | < 0.250 | 0.250 | 11 | | | | | | |
| richlorofluoromethane | < 0.250 | 0.250 | 41 | | | | | | |
| 'inyl chloride | < 0.250 | 0.250 | п | | | | | | |
| urrogate: 1,2-Dichloroethane-d4 | 1.80 | | " | 2.00 | | 90.0 | 70-120 | | |
| urrogate: 4-Bromofluorobenzene | 1.95 | | " | 2.00 | | 97.5 | 75-120 | | |
| urrogate: Dibromofluoromethane | 1.89 | | " | 2.00 | | 94.5 | 85-115 | | |
| Surrogate: Toluene-d8 | 1.97 | | " | 2.00 | | 98.5 | 85-120 | | |

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 273 of 291

Amended Report - Amendment 2

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------------|--------------------|-------------|----------------|------------------|--------------|------------------|-------------|--------------|
| Batch 1000027 - Default Prep VOC | | | | | | | | | |
| Method Blank Spike (1000027-BS1) | | | | Prepared 8 | & Analyzed: | 02/01/10 | | | |
| 1,1,1,2-Tetrachloroethane | 4.71 | 0.250 | ug/L | 5.00 | | 94.2 | 80-130 | | |
| 1,1,1-TrichIoroethane | 4.76 | 0.250 | 11 | 5.00 | | 95.2 | 65-130 | | |
| 1,1,2,2-Tetrachloroethane | 4.36 | 0.250 | 11 | 5.00 | | 87.2 | 65-130 | | |
| 1,1,2-Trichloroethane | 4.42 | 0.250 | 11 | 5.00 | | 88.4 | 75-125 | | |
| 1,1-Dichloroethane | 4.49 | 0.250 | ** | 5.00 | | 89.8 | 70-135 | | |
| 1,1-Dichloroethene | 4.63 | 0.250 | 11 | 5.00 | | 92.6 | 70-130 | | |
| 1,1-Dichloropropene | 4.87 | 0.250 | н | 5.00 | | 97.4 | 75-130 | | |
| 1,2,3-Trichlorobenzene | 4.92 | 0.250 | ** | 5.00 | | 98.4 | 55-140 | | |
| 1,2,3-Trichloropropane | 4.56 | 0.250 | " | 5.00 | | 91.2 | 75-125 | | |
| 1,2,4-Trichlorobenzene | 5.10 | 0.250 | " | 5.00 | | 102 | 65-135 | | |
| 1,2,4-Trimethylbenzene | 5.04 | 0.250 | 41 | 5.00 | | 101 | 75-130 | | |
| 1,2-Dibromo-3-chloropropane | 4.44 | 0.250 | 11 | 5.00 | | 8.88 | 50-130 | | |
| 1,2-Dibromoethane (EDB) | 4.61 | 0.250 | " | 5.00 | | 92.2 | 80-120 | | |
| 1,2-Dichlorobenzene | 4.83 | 0.250 | " | 5.00 | | 96.6 | 70-120 | | |
| 1,2-Dichloroethane | 4.49 | 0.250 | " | 5.00 | | 89.8 | 70-130 | | |
| 1,2-Dichloropropane | 4.61 | 0.250 | 11 | 5.00 | | 92.2 | 75-125 | | |
| 1,3,5-Trimethylbenzene | 5.15 | 0.250 | 11 | 5.00 | | 103 | 75-130 | | |
| 1,3-Dichlorobenzene | 4.88 | 0.250 | " | 5.00 | | 97.6 | 75-125 | | |
| 1,3-Dichloropropane | 4.51 | 0.250 | | 5.00 | | 90.2 | 75-125 | | |
| 1,3-Dimethyl adamantane | 4.36 | 0.250 | " | 5.00 | | 87.2 | 70-130 | | |
| 1,4-Dichlorobenzene | 4.79 | 0.250 | " | 5.00 | | 95.8 | 75-125 | | |
| 2,2-Dichloropropane | 4.53 | 0.250 | " | 5.00 | | 90.6 | 70-135 | | |
| 2-Chlorotoluene | 4.83 | 0.250 | " | 5.00 | | 96.6 | 75-125 | | |
| 4-Chlorotoluene | 4.96 | 0.250 | " " | 5.00 | | 99.2 | 75-130 | | |
| Acrylonitrile | 4.52 | 1.00 | " | 5.00 | | 90.4 | 50-130 | | |
| Adamantane | 4.88 | 0.250 | " | 5.00 | | 97.6 | 70-130 | | |
| Allyl chloride | 4.36 | 1.00 | | 5.00 | | 87.2 | 50-130 | | |
| Benzene | 4.60 | 0.250 | | 5.00 | | 92.0 | 80-120 75-125 | | |
| Bromobenzene | 4.84 | 0.250 | | 5.00 5.00 | | 96.8 | 75-125 | | |
| Bromochl oromethane | 4.84 | 0.250 | " | 5.00 | | 96.8 | 65-130 75-130 | | |
| Bromodichloromethane Bromoform | 4.65 | 0.250 0.250 | | 5.00 5.00 | | 93.0 96.4 | 75-120 70-130 | | |
| Bromomethane | 4.82 | | п | | | | | | |
| Carbon disulfide | 4.39 | 0.250 0.500 | 11 | 5.00 5.00 | | 87.8 87.2 | 30-145 35-160 | | |
| Carbon distribute Carbon tetrachloride | 4.36 | 0.350 | | 5.00 | | 96.6 | 65-140 | | |
| Calbon tetracinoride Chlorobenzene | 4.83 | 0.250 | " | 5.00 | | 93.4 | 80-120 | | |
| Chlorodibromomethane | 4.67 4.82 | 0.250 | ** | 5.00 | | 96.4 | 60-125 | | |
| Chloroethane | 4.82 | 0.250 | п | 5.00 | | 96.4 | 60-135 | | |
| Chloroform | 4.61 | 0.250 | ** | 5.00 | | 92.2 | 65-135 | | |
| Chloromethane | 3.90 | 0.250 | н | 5.00 | | 78.0 | 40-125 | | |
| cis-1,2-Dichloroethene | 4.83 | 0.250 | 11 | 5.00 | | 96.6 | 70-125 | | |
| cis-1,3-Dichloropropene | 4.82 | 0.250 | п | 5.00 | | 96.4 | 70-130 | | |
| Dibromomethane | 4.57 | 0.250 | n | 5.00 | | 91.4 | 75-125 | | |
| Dichlorodifluoromethane | 2.96 | 0.250 | и | 5.00 | | 59.2 | 30-155 | | |
| Ethyl Ether | 4.61 | 0.500 | 11 | 5.00 | | 92.2 | 50-130 | | |
| Ethylbenzene | 4.84 | 0.250 | " | 5.00 | | 96.8 | 75-125 | | |
| Hexachlorobutadiene | 5.01 | 0.250 | 11 | 5.00 | | 100 | 50-140 | | |
| Hexachloroethane | 5.14 | 1.00 | " | 5.00 | | 103 | 50-130 | | |
| Iodomethane | 4.73 | 0.500 | # | 5.00 | | 94.6 | 50-130 | | |
| Isopropylbenzene | 5.10 | 0.250 | " | 5.00 | | 102 | 75-125 | | |
| m,p-Xylene | 9.66 | 1.00 | ** | 10.0 | | 96.6 | 75-130 | | |
| Methacrylonitrile | 4.37 | 1.00 | " | 5.00 | | 87.4 | 50-130 | | |
| Methyl Acrylate | 4.29 | 1.00 | " | 5.00 | | 85.8 | 50-130 | | |
| Methyl tert-Butyl Ether | 4.77 | 0.500 | " | 5.00 | | 95.4 | 65-125 | | |
| 1001002,1001003,1001005 FINAL 06 09 11 10 | | | e 274 of 29 | | | | | rint Date : | 09-Jun-2011 |

Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD |
|----------------------------------|--------|-----------|-------|------------|-------------|----------|--------|-----|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit |
| Batch 1000027 - Default Prep VOC | | | | | | | | | |
| Method Blank Spike (1000027-BS1) | | | | Prepared 8 | & Analyzed: | 02/01/10 | | | |
| Methylene chloride | 4.43 | 0.250 | ug/L | 5.00 | | 88.6 | 55-140 | | |
| Naphthalene | 4.94 | 1.00 | 11 | 5.00 | | 98.8 | 55-140 | | |
| n-Butyl Benzene | 4.95 | 0.250 | 11 | 5.00 | | 99.0 | 70-135 | | |
| n-Propyl Benzene | 4.80 | 0.250 | п | 5.00 | | 96.0 | 70-130 | | |
| o-Xylene | 5.02 | 0.250 | n | 5.00 | | 100 | 80-120 | | |
| Pentachloroethane | 4.45 | 1.00 | 11 | 5.00 | | 89.0 | 50-130 | | |
| p-IsopropyItoIuene | 5.18 | 0.250 | n | 5.00 | | 104 | 75-130 | | |
| sec-Butyl benzene | 4.96 | 0.250 | " | 5.00 | | 99.2 | 70-125 | | |
| Styrene | 4.95 | 0.250 | 11 | 5.00 | | 99.0 | 65-135 | | |
| tert-Butylbenzene | 5.17 | 0.250 | 11 | 5.00 | | 103 | 70-130 | | |
| Tetrachloroethene | 5.09 | 0.250 | 41 | 5.00 | | 102 | 45-150 | | |
| Toluene | 4.66 | 0.250 | " | 5.00 | | 93.2 | 75-120 | | |
| trans-1,2-Dichloroethene | 4.67 | 0.250 | " | 5.00 | | 93.4 | 60-140 | | |
| trans-1,3-Dichloropropene | 4.87 | 0.250 | " | 5.00 | | 97.4 | 55-140 | | |
| Trichloroethene | 4.78 | 0.250 | 11 | 5.00 | | 95.6 | 70-125 | | |
| Trichlorofluoromethane | 4.21 | 0.250 | 11 | 5.00 | | 84.2 | 60-145 | | |
| Vinyl chloride | 4.04 | 0.250 | 11 | 5.00 | | 80.8 | 50-145 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 1.92 | | " | 2.00 | | 96.0 | 70-120 | | |
| Surrogate: 4-Bromofluorobenzene | 2.05 | | " | 2.00 | | 102 | 75-120 | | |
| Surrogate: Dibromofluoromethane | 1.97 | | " | 2.00 | | 98.5 | 85-115 | | |
| Surrogate: Toluene-d8 | 1.98 | | " | 2.00 | | 99.0 | 85-120 | | |

NOTE:

%REC is percent recovery, Result (less sample contribution) divided by the Spike Level

RPD is the Relative Percent Difference (difference between the Result and the Source Result) divided by their average

1001002,1001003,1001005 FINAL 06 09 11 1029

Page 275 of 291

| ### 12(2010) ### Felicit. ### Felicit. ### Felicit. ### Felicit. #### Felicit. #################################### | | | | | | | | | culmyvanica | Na A | 5270-6015 = DRO/TOF-RB-H, ABUNTAO-W × ABUBITAVERNON | 770-8015 - DR |
|--|-------------------------------------|-------------|-----|-------------|-------------|---------|---|--------------|--|------|---|----------------|
| Tricker Chain of Custody Record Sparker Sparker Strick Sparker Strick Sparker Strick Sparker Sparker Strick Sparker Sp | 1 | | e. | C (200) | Composite = | | | ¥: | on, his loughbooking | | Consentratio | Armilyeta Kay: |
| Pare | | 100 Z | 015 | | 1 | | | | | | PGOWNS, P | \$ 1 2 |
| ### Fall List ## | | | | | | | 3 | 8 | | | Byan Willers | |
| Chain of Cusbody Record Spanser Feet Spanser Feet Spanser Feet Spanser | | 11 | | ו כע | | |), 8-2*3 (los Only) () | 3 | ABOUTON (14) | 5 l | Soyan Watash | |
| Chain of Custody Record Separate Separ | | | 4 1 | yy on | | | (Res Craty), Rest (Res () [2] | 5 3 % | 8270-8015 (14) | ត ន | Ground Water Bryan Walleria Ground Water | PGOWAS |
| Chain of Cusbody Record Signature Si | | | | 6 /3 | PGDWZZ | | \$ (Ice Only), \$-188 (I), \$-169 (Ice Only) (3 | 33 | 8270-8015 [14]. AB UATIO-W [14]. | ક | Ground Water/ Byen Williams | PGDW22 |
| toped: 1/2 (2010) Chalin of Custody Record Seguane Factor For Lab Use Only tex: 67/0 4134 4355 Refundated By (Date / Time) Lab Contract Rec Lab Contract Rec 15/2 Page Abegion 8 Lub Sample Custodian Sample Custodian (9/3) 312-7701 3 //2 / /> | | | | <i>in</i> | PGDW22 | -8 | 11 (loss Only), \$-190 (i), \$-191 (loss Only) (i | 3: | \$270.8015 (14). ABJANIO+# (14). | ล | Ground Webs/ | PGOWZO |
| Chain of Custody Record Segme Popular Popular | | | | to. | Z DWIS | -8 | 7 (los Only), 8-146 (), 8-147 (los Only) (3 | 9 # 3 % | 8270-8015 (14), Aliciánio-4 (14) | 5 | Ground Webs! Bryan Williams | PROWIO |
| Inc. | | | | Ó | Raywaa | | 1. \$11 (Bas Only) (3) | <u>9</u> 29 | 8270-8015 (14). AluMato * (14). | ક | Ground Www. | COMMOS |
| tayed: 1/21/2010 Chain of Custody Record Separate Separate For Lab Use Only tox: EPA Region 8 Lab 1654 Week 45th Orizo 1/21/20 14500 | | - 1 | | to | SYMMODE | 8 8 | 8 (los Ordy), 8-397 (1), 8-414 (los Only), 5 (los Ordy), 8-416 (| ī9% | 6270-8015 (14) A349/sb-4 (14) | ន | Ground Water Bryan Wilsers | SOMEO |
| tayed: 1/2 1/2010 Chain of Custody Record Separate For Lab Use Only tox: EPA Region 8 Lab: 1619 Sample Custodan; Goden CO 80403; (303) 312-7701 3 (2/2) /20 /2000 /4000 /4000 /4000 /4000 1/400 /5000 uest Price: 1.2000 Lab Contract No: 1.2000 <t< td=""><td></td><td></td><td></td><td>w</td><td>PGDWG</td><td></td><td>15 (las Orly), 8-278 (l 1), 8-279 (las Orly) (1</td><td></td><td>\$270-80/5 (*4) A\$//\above (14)</td><td>ន</td><td>Ground Wated Bryan Williams</td><td>PCDWCM</td></t<> | | | | w | PGDWG | | 15 (las Orly), 8-278 (l 1), 8-279 (las Orly) (1 | | \$270-80/5 (*4) A\$//\above (14) | ន | Ground Wated Bryan Williams | PCDWCM |
| tox: 1/21/2010 Chain of Custody Record Seguana: FacEx Fac | 1001002- | | | , Cá | POWNU | 8 | ie (lice Only), 8-257 () (2) | 3.6 | 8270-8015 (14) | გ | Ground Water Bryan Williams | PGDWS2 |
| tope of 1/2 1/2/2010 Chain of Custody Record Stepsom Stepsom 8/10 4134 4355 Reflect Argion 8 Lab 16/34 Was 425/bp (Date / Time) Received By (Date / Time) 16/34 Wast 425h Orizo Sample Oustodan Golden CO 20403 (303) 312-7701 3 //////////////////////////////////// | POR LABUSE (Stempte Condition C | ALE COLLECT | _ 2 | | MOLI PER | | TAGROJ RESERVATARE BOXTUS | | CHICGROBANI SELTWIN | 3 K | Mary Mary Mary Mary Mary Mary Mary Mary | SAMPLE No. |
| ture EPA Region 8 Lab 15/19 (21/20 16/20) 21/20 16/20 (21/20 16/20) 3 (2003) 312-7701 3 (2003) 312-7701 3 (2003) 312-7701 3 (2003) 312-7701 3 (2003) 312-7701 3 (2003) 312-7701 (2004) (2004) 3 (2003) 312-7701 (2004) (200 | | Unit Prito | | | | | | | • | L | | |
| toyed: 1/21/2010 Chain of Custody Record Spanse: FacEx Relocation of Custody Record Spanse: BY10 4134 4355 FR. Relocation of Spanse: EPA Region 8 Lab 1879 /2//2 /500 FacAba /2//0 09-20 Sample Custodan | 1. V. | <u> </u> | | | | | | | to | , | Gaden CO 20403 | |
| tion EPA Resion 8 Lab 177 /2//20 /500 FeX /2//20 500 500 500 500 500 500 500 500 500 5 | | Taxan Incom | | -22- | Ri | Since & | | | 1 | 3 | Sample Custodian | |
| typed: 1/21/2010 Chain of Custody Record Sypasium: Section Represented By (Date / Time) Received By (Date / Time) | | | 1 | 2/10 | | 夏 | | 138 | TO TO | | EPA Region 8 Lab | |
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| | Alto esta q | <u> </u> | | | | | e a | dy Rex | Chain of Custo | | 1212010 | 277 |

| Date Shapper 1/21/2010 Chairs of Custody Record Support Support Currier News EPA Report 2110 4/34 4055 TASH Report Name Re | USEPA Contract Laboratory Program Security Generic Chain of Custody CO - # CO CO CO E CO CO E CO CO | |
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| HOLIZATION Chain of Custody Record Signature FedEx ST10 4134 4355 EPA Region 8 Lab 16194 Vites 4350 Drive Semple Custodian Cacin Co. Bounds Ca | Generic Chain of Custody CO - The CO - The | S: 1/20/2010 13:00 |
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| FodEx Region 8 Leb Chain of Custody Record Square FodEx Reinquened by (Data (Think) Recoived by 8710 4134 4355 | Generic Chain of Custody CO CO CO CO CO CO CO CO | 1-22-10 6 9 T |
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| 1/21/2010 Chain of Custody Record | USEPA Contract Laboratory Program Generic Chain of Custody 1001-004 Chain of Custody Record Ampere | (Date) / Time) Lab Contract No. |
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| Ιð | Conceptatio | Remple(s) to be used to PGCW(15, PGSW(12) | | | | | | Gryan Williams | • | Surface Water/ Bryan Waterns | | | Guidan CO 80433 (308) 312-7701 | Sanga Custodias | EPA Region 8 Lab | PRO AND | 121/2015 | ランドサーの一・ |
| ¥ | נ=6 | SWNS2 | | | | | | 8 | 5 | 8 | ₹ 8 | | - Proposition | 3 | ngarana. | Samuel Section 1 | m-Quinnessy | 8 |
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| Concent Wash: U.G. Straight Ed. Control Wash: Concent Wash: Control Wash: Cont | | Ground Weren | 2 | GRO #714), Agrt gas (14), TVOA (14) | 8-250 (ics Only), 8-250; (it Only), 8-262 (ics Only), 8-264 (ics Only), 8-265 (its Only), 8-265 (its Only), 8-257 (ics Only), 8-265 (its | | 0.000 | | |
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| Shaple(s) to be used for laboratory QC: Additional Sampler Signature(s): PGD(vBS, PCANVOL, PGSEQ, PGSV)02 Contentingon: 1 a Lou Statistics Higher Higher Translation Higher Contenting Contenting Contenting Contenting Higher Cont | | Ground Water? Bryan Williams | 3 | | HILL BAN (HOL) (N) E-14 (HOL) (L) (N) E-15 (HOL) (L) (N) E-18 (HOL) (N) E-18 (HOL | | | | |
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| G | Golden CO 80403 303) 312-7700 | | 3 | | | | Lash Continact No: | |
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| PGDWn0 | Ground Water/ Bryan Williams | UG . | | 8-150 (HCL), 8-151 (HCL) 8-152 (HCL), 8-154 (Ice Only), 8-155 (Ice Only), 8-156 (HCL), 8-157 (HCL) 8-158 (HCL) (IS) | | S: 1/18/2010 | 1630 | - 05 |
| PGDWZO | Ground Water/ Bryan Williams | LG | GRO-8015-w (14), Alpht gas (14), TVOA (14) | 3-194 (ice Only), 8-195 (ic Only), 8-196 (lice Only), 8-198 (ice Only), 8-199 (ic Only), 8-200 (lice Only), 8-201 (ice Only), 8-202 (ic | | S: 1/19/2010 | 1205 | 100 () 10 6 (|
| PGCIW22 | Ground Water Bryan Williams | UG | Îght gas (14), TVOA (14) | Only) (8) 8-172 (HCL), 8-173 (HCL) 8-174 (HCL), 8-176 (Jos Only), 8-177 (Jos Only), 8-178 (HCL), 8-179 (HCL) | PGOW22 | \$: 1/18/23/10 | 13.6 | -07 |
| | Ground Water Bryan Williams | ne , | VARIANDON (14), GRO-8015-W (14), Vight gas (14), TVOA (14) | 8-180 (HCL) (B) 8-26 (Ios Only), 8-39 (HCL) 8-40 (HCL), 8-41 (HCL), 8-43 (Ios Only), 8-44 (Ios Only), 8-45 (HCL), 8-45 | \$ FGOH23 | S: 1/18/2010 | 10.55 | -08 |
| | Ground Wateri Bryan Williams | us ! | GRO-9015-w (14), Jight gas (14), TVOA (14) | (HCL), 847 (HCL) (8) 8-216 (Ico Only), 8-217 (Ico Only), 8-218 (Ico Only), 6-220 (Ico Only), 8-221 (Ico Only), 8-222 (Ico Only), 8-223 (Ico Only), 8-224 (Ico Only) (8) | • | S: 1/19/2010 | 13:50 | -09 |
| prison for Case | | | or laboratory QC: PGSE02, PGSW02 | Additional Sampler | Signature(b): | Cooler Temperatu Upon Racapit: | | Gody Seed Number: |
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PR provides prolintnary results. Requests for professory results will increase analytical costs.

Send Copy to: Semple Management Office, Aftir. Heather Bauer, CSC, 15000 Confessoroc Center Dr., Chartilly, VA 20151-3619; Phone 703/618-4200; Fax 703/61 LADUKATUKI CUPT

| Hard Delivered Kadingshow 10 1776-126 125 12 | ı | 1,25,2010 | | Chain of Custody Record | / Record | 1 | | For Lab Use Only | |
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| Ground Walters LC | N 8. 1 | Spurd Websil Syan Williams | 3 | - ANDAROW (14). GRO-8015-w (14). Jobb gas (14), TVCA. (14) | 8-570 (Ice-Only), 8-584 (HCL), 8-686 (HCL), 8-68 (HCL), 8-588 (Ice-Only), 8-589 (Ice-Only), 8-590 (HCL), 8-581 (HCL), 8-590 | | S: 4/18/2010 | • | |
| Cocural Watter LCG GRO-6015-w (14) Chart Cha | | Sround Water Syan Williams | 3 | -/achnio-w (14), v GRO-8015-w (14), Ilght gas (14), TVOA | -(HCL) (9) D-201 (loe Only), 8:304 (in ONL), 8:305 (loe Only), ONL), 8:305 (loe Only), 8:310 (los Only), 8:311 (it | | S: 10000010 | 8 | |
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| PGDW41 Ground Witherst Bryan Williams | 8 | ~8270-4815 (14), ~ARCASP = (14), GRO-3015 = (14), Alght gas (14), TVOA (14) | 6-1011 (be Only, 8-102) (be Only, 8-102) (be Only, 8-102) (htt.), 8-1026 (be Only, 8-103) (htt.), 8-1029 (be Only, 8-103) (be Only, 8-103) (htt.), 8-1032 (htt.), 8-1039 (htt.), | PCDW41 | S: 1/21/2010 | 2 | | 2 |
| PGDW42 Ground Wellen's Bryan Willen's | 8 | CRO-8015-# (14), //ghtgas.(14), TVOA (14) | 543 (ke Only), 8-84 (ke Only), 8-36 (ke Only), 8-57 (ke Only), 8-38 (ke Only), 8-39 (ke Only), 8-30 (ke | PCOW42 | S. 1719/2010 | <u>ş</u> | | $\widetilde{\mathbf{N}}$ |
| PGDW43 Ground Whens Bryan Willems | 3 | Veznoanne (14), Alciuno (14), GRO-annis w. (14), Natit gas (14), TVOA (14) | Anny, Sent (see Carry), 8-192 (see Carry), 8-192 (see Carry), 8-192 (see Carry), 8-192 (see Carry), 8-103 (see Carry), 8-110 (see Carry), 8-111 (see Carry), 8-112 (see Carry), 8-113 (s | ************************************** | S: 122/2010 | 3 | | |
| PGDW44 Ground Water's Bryon Williams | 8 | GRO-SOIS-# (14), AGH 988 (14), TVOA | Compy) [11.1] Sect (MCL), Elez (MCL), Sect (MCL), Elez (MCL), Sect (MCL), Elez (McC), Sect (MCC), Sect (MC), S | Permit | 8: 1/10/2010 | 2.2 | | - |
| PGDW45 Ground Waters Bryan Williams | 8 | GRO-8015# (14), John ges (14), (14) | Ped (MCL), FEB (MCL) (8) F 123 (MCL), F 129 (MCL), F 130 (MCL), F 122 (MC Only), B 130 (MC Only), F 134 (MCL), F 135 (MCL), F 136 (MCL), (8) | PSDW45 | S: INBZONO | \$ | | ∞∩ |
| Samples to Care Samples to be a Complete No. PCOMING. PGI. | li § | Sampleja to be used for incombary sto. PODWOS, PGIANOI, PGSEOZ, PGSVAOZ. | Additional Sampler Significantists | Thereselle | Cooke Temperature Upon Recent | 1 2 | Chain of Custody Seel Member: | |
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| Figure Each Region VIII Figure Class | Orra Shipport | 1/25/2010 | | Chain of Custody Record | y Record | Serpler | | 2 | For Lab Use Only | |
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| MAY | | Ath. Jassie Kenna Cotte: (20842) (203) 312-770 | | • | | | | § 3 | 7 To: | |
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| Ground Water LiG GRO-0015-w 14, 3-550 (rb.) 6-550 (rb.) 6-55 | PGDW46 | | ! 8 | VAKKAniow (14), GRO-315-w (14), Vain gas (14), TVOA | 8 5 8 5 | | S 173 | | | 19 |
| Ground Waterd LG | Pachwa, | Ground Water Bryan Williams | 8 | GRO-8015w [14], Agrt. gas (14), IVOA | \$\$\$\$\$\$ | | 8 | | | - 20 |
| Occurs Wilsiams | PGDW48 | Ground Water Bryan Williams | 3 | /8270-6015 (14), VANAniow (14), GRO-6015-w (14), Vaght gas (14), TVOA | | | 8 | | | 7 |
| Semantric to be used for taboratory QC: Additional Sempler Separaterists: Cooker Temperature Chain of Custody Seal Nami Upon Needle : Cooker Temperature Chain of Custody Seal Nami Cookerstration: Letter, Me Lowkedon, 31 - 815a. TypeDasignate: Companie - C, Grab - G. Conscaring Control - Cookers - C, Grab - G. Conscaring Control - Cookers - C, Grab - G. Control - Cookers - C, Grab - G. Control - Cookers - C, Grab - G. Control - C, Gr | *** | Ground Water Bryen Williams | 8 | /8270-8015 (44), /Alickatow (14), /Alickatow (14), /Agin gas (14), TVOA | 9-79 (be Only), 8-80% (ii Only), (11) 8-1045 (be Only), 8-1055 (re-Only), 8-1056 (le- Only), 8-1051 (le-Only), 8-1051 (be Only), 8-1052 (se-Only), 8-1054 (le- Only), 8-1055 (le-Only), 8-1055 (be-Only), 8-1057 (le-Only), 8-1055 (le-Only), | | | | | |
| Semprétit to be used for suboratory GC: Additional Sempler Signaturation; Cooker Temperature PGDWOS, PGSRAVD1, PGSE02, PGSRAVD2 CONFORMED: 1= Law, N= Low-Addition, N= Low-Addition, N= High. Type/Designation Companies C. Gestion G. Gestion Seminary Sees Seminary Seminary Sees Seminary Sees Seminary Sees Seminary Sees Seminary Seminary Sees Seminary Sees Seminary Sees Seminary Seminary Sees Seminary Seminary Sees Seminary Semi | | | | | | | | | | |
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| | Analysis Key; | Concertor | 1 | Los, N = Los Medica, H : | | Specific Compasts "C, C | Star6 | | Ī | Skipmen keeft |

CANAL MA PAGES 441 POR LAB USE ONLY breph Complete Co. Reselpt 22042015 = DROTOF-R8-W, ABJAINS-W = ARKINSANIAN, OFBAGID = Combo R8 GRODBO, Dro-2015-S = DRO-RB, GRO-R8-W, GRO-R8-S = GRO-R8-S = GRO-R8-S | Ight gas = Light gases LANCHA CONTROLL Charles of Coatooly San (Number) Custody Stati Intact? Reference Case 39426 For Lab Use Only Leb Contract No: 8-420910916-012510-0001
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Integration of the state Ballet, CSC, 1800 Continuos Center Dr., Chariffy, VA 2013N-3519, Protes 703018-220, Faz 70201 Table 18 Charle 差の数 Set Par Unit Park 8 2.0 DATE COLLECT Cooke Tengenture Upon Recebs 121/2010 S inclizate 0102871 S 65 Comporte - C. Bab . G. POMMOD POMINO STATION LOCATION POFED Spatiers Spatiers Received By Authoria Sengrier Signature(s) Burk ~_0 8-1115 (ba Only), 8-1116 (ba Only) (2) 8 MESENATION SOLES (Carbs / Tense) **USEPA Contract Laboratory Program** Chain of Contrody Record L* LOW, M = LOWANDERS, H = Hyd \$270-8015 (14), AkiAnin-w (14), GRO-8015-w (14), (14), (14), (14) SRO-8015-e (14), Sept gas (14), TVOA (14) PODWIDS, POMMUT, POSEDZ, POSWIZ ¥270-8015 (14), ON CANAL A270 8015 (14) Salmy, Willed Dy Generic Chain of Custody place to the country of the behaviory of 38 9 9 Attr. Assie Kernan Gelden CO 80403 (201) 312-7780 EPA Region VIII 18194 W. 400n Drive Ground Water Ground Winder Crosmo Meters Bryan Williams Hand Oslinean MATERIAL SALES PR posters preferency results. Send Copy to: Sendo Manager 125,2510 3

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| GRO-8015-w (14) S-905 (loc Only), 8-905 (loc Onl | PGMW02 V | Ground Weter | LAG | | 8-891 (loe Only), 8-900 (lo | e PCMM02 | S: 1/21/2010 | 18:15 | 1/ |
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| Control Water L/G Rezpond Water L/G Rezpond Water L/G Rezpond Water Respond Water L/G GRO-8015-w (14), 8-832 (Rec Day), 8-732 (Rec Day), 8-733 (Rec Day), 8-734 (Rec Day | | | | | | • | Alberta Barre | | |
| PGM/W03 Ground Water L/G Se279-8015 (14) 8-10-33 (km Crisy), 8-10-44 PGM/W03 St. 1/21/2010 14:30 3-10-45 (km Crisy), 8-920 (too | | | | * * * | | | | North Contract | |
| Bayan Williams | | and the second second | | | | | | | |
| GRO-B015-w (14) B-932 (RICL), B-933 (RICL), S-935 (RICL), | POMNOS V | The second of the second | 44.4 | | | . a medica ama | \$ 1/21/2010 | 14:30 | 2- |
| ### Age (14) TVOA 8-934 (MCL), 8-938 (Ice Only), 8-938 (Ice Only), 8-938 (Ice Only), 8-938 (Ice Only), 8-938 (Ice), 8-939 (MCL), 8-939 (Ice Only), 8-738 (Ice Only), 8-739 (Ice Only), | | Bryst Williams | | | | | | | |
| (14) Only), 8-837 (ice Only), 8-837 (ice Only), 8-838 (HCL), 8-840 (HCL), 8-850 (HC | | | | | | | | San Spirit | |
| ### Beautiful Control Water: LIS SRO-8015-w (14) 8-745 (loc Only), 8-749 (loc Only), 8-759 (loc On | | | | | | | | | |
| PGP-W01 Ground Waster! L/G GRO-8015-w (14), 8-748 (fice Only), 8-749 (fice Only), 8-750 (fice Only), 8 | | | | | | | | | |
| (14) 8-752 (fee Cnly), 8-753 (fee Cnly), 8-755 (fee Cnly), 8-756 (fee Cnly), 8-757 (| ***** | | 14.44 | | The state of the s | | | | |
| (14) 8-752 (fice Only), 8-753 (fice Only), 8-755 (fice Only), 8-725 (fice Only), 8-725 (fice Only), 8-725 (fice Only), 8-725 (fice Only), 8-735 (f | PGPAUI | . Internation can be being selected | | | | • PGPMI | S. 1/20/2010 | 5.30 | -21 |
| Only), 8-754 (loc Only), 8-756 (loc Only), 8-756 (loc Only), 8-755 (loc Only), 8-756 (loc Only), 8-757 | | CATON THREETS | in Total | | | | a Nasilan Nasila aya Nasilan | | |
| PGPW02 Ground Water L/G GRO-8015-w (14), 8-725 (loe Only), 8-725 (loe PGPW02 St. 1/20/2010 8-35 1/20/2010 1/20/ | | | | 8.78 | | | | | |
| ### PGPW02 Ground Water! L/G GRO-8015-w (14), 8-725 (ice Only), 8-726 (ice PGPW02 S: 1/20/2010 8:35 ################################### | | × | | | | • | The second | January & | |
| Beyon Writiams (14) 6-729 (ace Only), 8-730 (los Only), 8-731 (los Only), 8-731 (los Only), 8-733 (los Only), 8-733 (los Only), 8-733 (los Only) (8) PGSED1 Sectorent/ UG Disc-8015-s (14), 8-805 (los Only), 8-607 (los PGSED1 S: 1/19/2010 11:45 Bryan Writiams GRIC-R8-s (14) Only) (2) Impair for Case Sample(s) to be used for laboratory QC: PGDW65, PGMW01, PGSE02, PGSW52 Additional Sampler Signature(s): Upon Receipt: Upon Receipt: Upon Receipt: Upon Receipt: Upon Receipt: | Marine . mar | | | 686 AME | | | F W W | | - 0/ |
| (14) 8-729 (Ice Only), 8-731 (Ice Only), 8-731 (Ice Only), 8-731 (Ice Only), 8-731 (Ice Only), 8-733 (| HISPARILL | 4 W. H M 4 4 4 4 4 4 4 | | 3 | | e PGPMUZ | S: 1/20/2010 | 635 | 29 |
| Only), 8-731 (lice Only), 8-733 (lice Only), 8-807 | | ION PART PERSONAL | | | | | | | |
| PGSED1 Sectionent US Dec-8015-s (14), 8-805 (fice Only), 8-807 (for PGSED1 S: 1/19/2010 11:45 — 3.70 Beyon Williams GRO-R8-s (14) Only) (2) prient for Case Sample(s) to be used for laboratory QC: Additional Sampler Signature(s): Upon Receipt: 5-6 (| | | | *** | | | | | |
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| Bryan Williams GRIC-R5-3 (14) Only) (2) prient for Case Sample(s) to be used for laboratory QD: Additional Sampler Signature(s): Coder Temperature Upon Receipt: 50 PGDW05, PGMW01, PGSE02, PGSW02 | bhoow | Parlinguist | 3.00 | man effect in com | | . MARKAI | D. 13503048 | 44.47 | -2n |
| privati for Case Sample(s) to be used for laboratory QC: Additional Sampler Signature(s): Coder Temperature Chain of Custody Seel Number: mplate ?N PGDW05, PGMW01, PGSE02, PGSW92 | rogen | A-6-3 | 2/3 | | | reseu) | S: 1/19/2010 | 11:40 | <i>50</i> |
| PGDW05, PGMW01, PGSE02, PGSW02 | | | | *************************************** | | | | | |
| PGDW66, PGMW01, PGSE02, PGSW92 | private for Cases | Sauropia(s) t | o be used 6 | or laboratory QC: | Additional Sampler | Skynature(e): | 1 | er Chain of | Cuelody Seel Humber: |
| allysis Key: Concentration: L=Low,N=LowSection.H=High Type/Designate: Compacts = C, Grab = G Coatody Seal Netsct? Stripment load? | | PGDW66 | PGMW01 | PGSE02, PGSWD2 | | | Upon Receipt: 5 | ○ (| |
| | dysis Kay: | Concentra | rdon: L=1 | Low, M = Low Madium, H = | High TypeDes | ignate: Composite=C, C | inde = G | Custody: | Seat March? Shipment load? |

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Page 285 of 291

Print Date: 09-Jun-2011

| Carrier Manne: Ha | 1/25/2010 | | Chain of Qustody Record | y Record | 1 | | For Lab Use Only | |
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| | NKA EPA Region VIII 16194 W. 48th Dis | - | 18/1/2 | 15 orzo | Brutt D.W. | 1830 28E-1 | Zint Price: | |
| 28 | Attr: Jessie Koone Colden CO 90403 | 444 | 8 | | | | Transfer To: | |
| | 2) 312-7-100 2) 312-7-100 | | | | | | OMPA. | |
| SAMPLE No. | MUNICO SAMPLES | 3 80 | AMACYTICS TURKAROUND | TABINAL PARESTANTING BORNA | MOTIVATOR MOTIVATOR | SALE COLLECT CATETREE | 5 | FOR LAB URFORLY Surph Could on On Paraly |
| Posenz s | Sedment Bryan Willems | 3 | CRO484 (14). | 8-813 (car Onty), 8-615 (car Onty) (z) | PG8E02 | \$ 1/19/2010 | 13.93 | 5 |
| POSEDA | Sedement/ Bryan Williams | 8 | CRORES (16). | 8-706 (bee Cmly), 6-710 (less Only) (2) | Poseme | \$ 1/19/2010 | 8.5 | |
| 758FD S | Sedmenti Bryan Wilkans | 3 | 0.00 RE4 (4). | 8-615 (los Crity), 8-807 (los Only) (2) | - CSS-CS | \$ 1202000 | 6.59 | |
| PGSB# 5 | Sediment/ Bryan Wilsams | 8 | Dro-8015-s (14), GRO-R8-s (14) | 8-812 (km Only), 8-814 (km Only) (2) | POSEDA | S: 12022010 | 4 | |
| PGSEB66 S | Sedment Byen Wilsma | 3 | Dr | 8-11(3) (ice Oaly), 8-11(6) (los Only) (2) | PGSEOS | 8. 1/2/2/210 | \$9 | 3 |
| POSOPI S | Sod (2127) Bryan Williams | 3 | 9R8-GD (1.4) | (1) (ine their) (1) | Reson | \$ (212010 | 42.00 | |
| 2000 | Sca (>12")/ Bryan Wildama | 3 | CRECO (14) | 8-860 (cs-Ony) (1) | PCS002 | S. 1720/2010 | 8 | |
| P0S09 | Soil (>127) Bryan Williams | 3 | Sales Contra | \$-774 (fee Only) (1) | PGSOOS | S: transato | 09:01 | |
| N. S. | Surface Wated Bryan Willems | 3 | GRO-8015-w (14), Aight gas (14), TWOA (14) | 8-523 (Lee Only), 8-524 (See Only), 8-525 (Ice Only), 8-526 (Lee Only), 8-527 (Ice Only), 8-529 (HCL), 8-529 (HCL), 8-530 (HCL), (6) | PGSW2 | S. 1482010 | | |
| Stymest for Case Complete 70 | Sempless to P. | MAN CANA | Semple(p) to the used for laboratory qc: PGDWINS, PCAMWI1, PGSEIIZ, PGSWIZ | Additional Sampler Signaturals) | Ī | Coope Temperature (post Rock) | ٦ | Clean of Custody Seal Number: |
| is and | Concentration | 1 | Lalon, Mailon Mageri, Markg | : H.Gr. 1ypa.Daskgaran | Composite C. Greb = 6 | \$0 = Q | Commody Beaul Industry | Intact Shipment bush |

| Chrifer Name: Hand Delivered Artific N.A. Shippad to: EPA Region VIII 16194 W. ASH Drive Abht: Booker Kolman Cooker Control | | Class of Custody Record | | Sept Sept Sept Sept Sept Sept Sept Sept | | For Lab Use Only | |
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| AND AND COURS | | 1/2/ Let | C\$30 | Van St. Alle | ZX En 1008 Paren | | |
| CONTROL OF THE CONTROL | | | | | | | |
| W/ -316 (006) | | | | | | 1 | |
| SAMPLE No. SAMPLE NO. | CONC | ON COMMENTS OF | 1.4644.) POSETANTO PORTO | STATON LOCATON | SAPAL COLLEGE CATAMAR | | PARLIBURGORY Sergia Condition Co-Rook |
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| PGSW020 Surface Wereti Byon Willams | 8 | Antonio (14), 8-703 Carbando (14), 8-838 Carbando (14), 0-0/y, Algainge (4), 1VOA 8-854 (14), 6-6/y, 1VOA 8-854 | Cony), Seriza (too Cony), Seriza (too Cony) (16) Seriza (too Cony), Seriza (too Cony), Seriza (too Cony), Seriza (too Cony), Cony), Seriza (too Cony), Seriza (too Cony), Seriza (too Cony), | COCMSSOd. | e constant | | 5 |
| PCSW03 Surface Waters | 8 | Arizane Bors (14), 8-813. Arizane Bors, (14), 8-813. Arizane (14), 7404. Only), 9-823. (14), Only), 0-823. (14), Only), O | 2000 00 00 00 00 00 00 00 00 00 00 00 00 | Poswos | Olozoza) S | | 3 |
| | | | | | | | |
| Shore enthrose Semple(s) to be st Complete 71. PGMS PGMS. | 1 S | Dental to the used for Indemetery CC: PGDWDS, PCANNOT, PCSERC, PCSWD2 | Additioned Stamptor Signatureles: | Mgnathersk): | Code Tenerature Upon Recept | Chain of Custody Seal Number: | M. Nemiter |
| Applyable Key: Conceptation: | 13 | Laton, Mariant Samma Hay | TypeDesignates | Agraete: Composite n.C. Crab = C | D=0 | Custody Seal Insues | Shipmant lose? |

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Project: Pavillion#1 2010 LSR No: 1001-004

Certificate of Analysis

| rrier Masse: (Sill: Spped to: | 1/25/2010 Hand Delivered N/A EPA Region VIII 16194 W. 45th Drive Attn: Jessie Kleman | | Chain of Custody Relinquished By Fig. 1/25/ | (Record (Date / Three) //> | Super | (Date / Thine) ITin/10 CB 3 | For Lab Use Only Lab ContractNo: Unit Price: Transfer To: | |
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| | Golden CO 80403 (303) 312-7700 | | 3 | | | | Lab Contract Alo: | |
| SA MPLE No. | MATRIX SMIRER | CONC | ANALYSIA Tarkarcurd | TAG No.J PRESERVATINES Robbes | STATION LOCATION | BABYLE COLL DAE/THE | | POR LAD LINE CORLY Somple Contribute (in the crip) |
| GSWO | Surface Water/ Bryan Williams | I.G | V8270-8015 (14), VABRANIO-W (14), GRO-9015-W (14), Jight gas (14), TVOA (14) | 8-837 (ice Only), 8-846 (ice Only), 8-847 (ice Only), 8-851 (ice Only), 8-852 (ice Only), 8-854 (ice Only), 8-856 (ice O | | \$: 1/20/2010 | 1620 | -43 |
| GSWI05 | Surface Water/ Bryan Williams | UG | /3270-8015 (14), ARKANIO-W (14), GRO-5015-W (14), Vigits gas (14), TVOA (14) | 5-1075 (Ice Only), 3-1086 (Ice Only), 8-1037 (Ice Only), 8-1037 (Ice Only), 8-1082 (Ice Only), 8-1093 (Ice Only), 8-1094 (Ice Only), 8-1095 (Ice Only), 8-1096 (Ice Only), 8-1097 (Ice Only), 8-1098 (Ice Only), 1010 (Ice Only), 8-1098 (Ice Only), | PSSVIOS | S: 1/22/2010 | 10:15 (2.20 E) 10:15 (2.20 E) | -44 |
| GTB01 | Ground Weller Bryan Williams | LG | GRO8015w(14) \$360 | 8-1110 (HCL), 8-1111 (HCL), 8-1112 (HCL) (3) | PGTB01 | 5: 1/18/2010 | 800 | -45 |
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| ent fer Case ico Ry | | | or laboratory QC: PGSEC2, PGSW02 | Additional Sampler | Styneture(s): | Coaler Terspetitive Upon Riccept: | Chain of Castod | / Seal Number: |
| pin Ray: | | | on, W=Los Madium, H= | Hat Type Des | lgrade: Composite + C. | Gno-6 | Custody Seel Pro | scf7Shipmant iced? _ |

| Project: Pavillion#1 | 2010 | LSR No: 1001-004 |
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| SAMPLEND | NATRU CONC SURLER TYPE | | 28 | MESENA TAS BOMS | KG VE | | SAWALE ESTATES | | 2 4 | FOR LABUREON.? Sample Condition for Resign | manage . |
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| Poppor | Curation of Bryan Williams Precipitation LG Bryan Wilsons | RAWA | | 94189 (Ica Cally), 9-1190 (Ica Cally) (2) | ê | | | 88 | | | |
| Popular Pregn | | RE-SZ70TOT-CZ-Z | And the second | ###################################### | | *** | | | | | |
| 2.5 | 3 | REAZYNTOF CZ | | 9/20/20/20/20/20/20/20/20/20/20/20/20/20/ | \$20.00 | ## | | | | | |
| PCPPC6 Presponding | Precipiation L'S Bryan Williams | Reading (La) | | | \$3 40 6 | <i>i</i> | | 8 | | 5 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Shipment for Case Complete IV | Sumplie(s) to be used for televatory QC | d for abovellory o | | Additional Sampler Signaturers | S.gratures) | | Coaler Temporatum Upon Recept | Chiltred Cus | Chain of Custody Seal Norther | | E |
| Amalyais Key. | Concentration | L= (ck W= Lox Medin Fr Hg | Post with | 1)/20et/mile | SAME CONTRACTOR OF | GWP # G | | Custody Seal France | Prince? | Shipment Ited? | or moneyer and |
| AAAnov - Axerriyan | | CARS PRE CHOL | ORC, R8-82 | OR, ORBIGID .» Combo FR GROIDRO, RESZICTOF = RESZICTOF, REVORW = RESZICTOR - K | R6-VOA-W = R8-8280 | W.JA.R | | | | | in a rindin |

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| | MATRICO CONC. | ANALYSIS | TAGNOTOR | KON KON LOCARON | SAWAE COLLECT CATETAK | | CORLUBUSEOURY Single Condition Co. Research |
| | Without and the state of the st | | | | | | |
| | Sample(s) to be used for laboratory QC | for laboratory IOC: | Accelerate Sampler Signatures s | 19 To | Cooke Tayon Cooke | Chain of Custody Seat Number | |
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| Project: Pavillion#1 2010 | LSR No: 1001-004 | Certificate of Analysis |
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